Auditing fixed asset records

This article will illustrate the application of many commonly performed audit tasks. Although the audit procedures shown will be used for tests of fixed assets, many of these same procedures could be used in a variety of situations. For each audit objective listed, the applicable procedures using Web CAAT will be shown. The advantages of Web CAAT are 1) because it is Internet based, sharing of audit data and procedures between auditors is simplified, 2) because it is based on powerful open source software, it can be readily extended by those persons having some knowledge of scripting languages, 3) being based on the MySQL database, it is possible to leverage many of the built-in capabilities of that system, and 4) being open source, there are no license fees involved for the software.

This article will walk through the following steps, providing screen shots where applicable:

- 1. Take audit data from an Excel work sheet and import it into the database in order to perform a variety of audit analytics
- 2. Go through a series of audit procedures which are commonly performed and can be readily adapted to other audits
- 3. Show how results of the tests can be interpreted and used as part of audit support

The data used can be downloaded from an Excel workbook. It consists of approximately 5,000 rows of data representing fixed asset records for assets at a variety of locations. Key elements of the data include:

- Cost the acquisition cost of the fixed asset
- AD prior years' accumulated depreciation
- Acqdate the date the asset was acquired
- Tagno a fixed asset tag number for identification
- Location the code for the location where the asset has been placed in service

Loading the data from Excel

Before the data can be analyzed using the system, it is necessary to first load it into the database. The Excel sheet where the data resides appears as follows:

					Fixe	d asset rec	ords for Co	mpany AB	С		
		Cost information				Depreciati	on informa	tion		Calendar Year 201	0
	TaqNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	А
	2587	\$4,377.00	1780.007	\$1,313.00	2596.99	875	356.0014	9	XSF	17-Jan-09	А
	4721	\$436.00	176.4384	\$131.00	259.56	87	35.28769	3	XSF	9-Feb-10	A
	5255	\$6,331.00	2556.597	\$1,899.00	3774.4	1266	511.3194	11	XSF	30-Jun-11	А
	2781	\$5,034.00	2021.94	\$1,510.00	3012.06	1007	404.388	6	XSF	21-May-10	А
	5068	\$1,322.00	1058	\$397.00	264	264	106.1496	9	XSF	5-Oct-09	А
	3052	\$0.00	7458	\$2,797.00	1865	1865	761.8721	10	XSF	13-Jun-10	А
	2097	\$794.00	318.9716	\$238.00	475.03	159	63.79432	10	XSF	12-Apr-10	А
	4356	\$3,579.00	1466.998	\$1,074.00	2112	716	293.3997	6	XSF	17-Aug-09	А
	4135	\$9,922.00	4027.746	\$2,977.00	5894.25	1984	805.5491	10	XSF	7-Nov-09	А
	3603	\$4,700.00	1912.569	\$1,410.00	2787.43	940	382.5138	7	XSF	7-Aug-09	А
	2567	\$1,589.00	637.6959	\$477.00	951.3	318	127.5392	9	XSF	28-Aug-10	А
	2090	\$2,280.00	925.8681	\$684.00	1354.13	456	185.1736	7	XSF	22-May-09	А
Ī	3923	\$6,214.00	4971	\$1,864.00	1243	1243	1665	8	XSF	22-Nov-10	А
	2186	\$3,581.00	1450.196	\$1,074.00	2130.8	716	290.0392	8	XSF	18-Dec-09	А
	3466	\$3,100.00	1264.548	\$930.00	1835.45	620	252.9096	9	XSF	26-Dec-09	A
	2916	\$9,593.00	3876.45	\$2,878.00	5716.55	1919	775.2901	12	XSF	26-Dec-09	L

There are several things which need to be done to ready this data for import. First, only the column names are needed at the top of the sheet. Information such as titles or other information which does not consist of actual data should be removed.

Also, any numeric data which contains currency codes or commas for thousands separators must be formatted to include only digits, decimal points and an optional sign to indicate negative amounts (if present).

Dates must be formatted as mm/dd/yy.

Going down a little further on the form it can be seen that the data contains sub-total information.

φ.,001.00	1000.111		E 111.00	0.0	021.0200		- 1991		
\$5,273.00	2159.034	\$1,582.00	3113.97	1055	431.8067	4	XSF	29-Sep-10 /	A
\$7,411.00	3024.341	\$2,223.00	4386.66	1482	604.8682	9	XSF	23-Jul-09 A	A
\$7,217.00	2936.12	\$2,165.00	4280.88	1443	587.224	8	XSF	8-Sep-10 A	A
\$9,962.00	5751	\$2,989.00	4211	1992	1150.2	10	XSF	30-Aug-11 A	Ā
\$7,922.00	3194.503	\$2,377.00	4727.5	1584	638.9007	7	XSF	28-Jul-09 A	A
\$7,613.00	6090	\$2,284.00	1523	1523	513.4	5	XSF	31-Jul-11 A	Ā
\$9,197.00	3745.109	\$2,759.00	5451.89	1839	749.0219	6	XSF	12-Mar-10 A	A
\$7,693.00	3107.013	\$2,308.00	4585.99	1539	621.4027	12	XSF	19-Apr-11 I	Γ
\$4,463.00	1794.282	\$1,339.00	2668.72	893	358.8564	10	XSF	9-Feb-09 /	Ā
\$8,042.00	6434	\$2,413.00	1608	1608	1697.8	4	XSF	3-Apr-11 A	Ā
\$858.00	344.3169	\$257.00	513.68	172	68.86338	4	XSF	23-Sep-10 A	A
\$245,654.00	120085.2						XSF Tota	1	
\$3,735.36	1723.55	\$1,121.00	2011.81	747	3735.362	1	PE	9-Apr-11 A	Ā
\$5,433.61	2581.78	\$1,630.00	2851.83	1087	417.9697	13	PE	9-Mar-09 A	A
\$1,054.53	685.96	\$316.00	368.57	211	100	0	PE	9-Jul-09 A	Ā
\$10,223.50	4991.29						PE Total		
\$2,268.66	1228.4	\$681.00	1040.26	454	567.165	4	PA	1-Jul-10 A	Ā
\$2,637.93	1757.38	\$791.00	880.55	528	164.8706	16	PA	9-Nov-10 A	Ā
\$4,921.66	3384.68	\$1,476.00	1536.98	984	4921.656	1	PA	3-Apr-10 A	A
\$3,262.06	1826.91	\$979.00	1435.15	652	1087.354	3	PA	8-Dec-10 /	A
\$13,090.31	8197.37						PA Total		
	\$5,273.00 \$7,411.00 \$7,217.00 \$9,962.00 \$7,922.00 \$7,613.00 \$9,197.00 \$4,463.00 \$4,463.00 \$8,042.00 \$8,042.00 \$858.00 \$245,654.00 \$3,735.36 \$5,433.61 \$1,054.53 \$10,223.50 \$2,268.66 \$2,2637.93 \$4,921.66 \$3,262.06 \$13,090.31	\$5,273.00 2159.034 \$7,411.00 3024.341 \$7,217.00 2936.12 \$9,962.00 5751 \$7,922.00 3194.503 \$7,613.00 6090 \$9,197.00 3745.109 \$7,693.00 3107.013 \$4,463.00 1794.282 \$8,042.00 6434 \$858.00 344.3169 \$245,654.00 120085.2 \$3,735.36 1723.55 \$5,433.61 2581.78 \$1,054.53 685.96 \$10,223.50 4991.29 \$2,268.66 1228.4 \$2,263.63 1757.38 \$4,921.66 3384.68 \$3,262.06 1826.91 \$13,090.31 8197.37	\$5,273.00 2159.034 \$1,582.00 \$7,411.00 3024.341 \$2,223.00 \$7,217.00 2936.12 \$2,165.00 \$9,962.00 5751 \$2,989.00 \$7,922.00 3194.503 \$2,377.00 \$7,613.00 6090 \$2,284.00 \$9,962.00 3745.109 \$2,759.00 \$7,633.00 3107.013 \$2,308.00 \$4,463.00 1794.282 \$1,339.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,45.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$8,042.00 6434 \$2,413.00 \$1,054.53 685.96 \$1,121.00 \$1,054.53 685.96 \$316.00	\$5,273.00 2159.034 \$1,582.00 3113.97 \$7,411.00 3024.341 \$2,223.00 4386.66 \$7,217.00 2936.12 \$2,165.00 4280.88 \$9,962.00 5751 \$2,989.00 4211 \$7,922.00 3194.503 \$2,273.00 4727.5 \$7,613.00 6090 \$2,284.00 1523 \$9,197.00 3745.109 \$2,759.00 5451.89 \$7,693.00 3107.013 \$2,308.00 4585.99 \$4,463.00 1794.282 \$1,339.00 2668.72 \$8,042.00 6434 \$2,413.00 1608 \$858.00 344.3169 \$257.00 513.68 \$245,654.00 120085.2	\$5,273.00 2159.034 \$1,582.00 3113.97 1055 \$7,411.00 3024.341 \$2,223.00 4386.66 1482 \$7,217.00 2936.12 \$2,165.00 4280.88 1443 \$9,962.00 5751 \$2,989.00 4211 1992 \$7,922.00 3194.503 \$2,377.00 4727.5 1584 \$7,613.00 6090 \$2,284.00 1523 1523 \$9,197.00 3745.109 \$2,759.00 5451.89 1839 \$7,693.00 3107.013 \$2,308.00 4585.99 1539 \$4,463.00 1794.282 \$1,339.00 2668.72 893 \$8,042.00 6434 \$2,413.00 1608 1608 \$858.00 344.3169 \$257.00 513.68 172 \$245,654.00 120085.2 \$3,735.36 1723.55 \$1,121.00 2011.81 747 \$5,433.61 2581.78 \$1,630.00 2851.83 1087 \$1,054.53 685	\$5,273.00 2159.034 \$1,582.00 3113.97 1055 431.8067 \$7,411.00 3024.341 \$2,223.00 4386.66 1482 604.8682 \$7,217.00 2936.12 \$2,165.00 4280.88 1443 587.224 \$9,962.00 5751 \$2,989.00 4211 1992 1150.2 \$7,922.00 3194.503 \$2,377.00 4727.5 1584 638.9007 \$7,613.00 6090 \$2,284.00 1523 1523 513.4 \$9,197.00 3745.109 \$2,759.00 5451.89 1839 749.0219 \$7,693.00 3107.013 \$2,308.00 4585.99 1539 621.4027 \$4,463.00 1794.282 \$1,339.00 2668.72 893 358.8564 \$8,042.00 6434 \$2413.00 1608 1608 1697.8 \$858.00 344.3169 \$257.00 513.68 172 68.86338 \$245,654.00 120085.2 \$3,735.36 <	\$1,521,63 125,121,63 111,133 1015 611,1626 141,153 \$5,273,00 2159,034 \$1,582,00 3113,97 1055 431,8067 44 \$7,411,00 3024,341 \$2,223,00 4386,66 1482 604,8682 9 \$7,217,00 2936,12 \$2,165,00 4280,88 1443 587,224 8 \$9,962,00 5751 \$2,989,00 4211 1992 1150,2 10 \$7,922,00 3194,503 \$2,377,00 4727,5 1584 638,9007 7 \$7,613,00 6090 \$2,284,00 1523 1523 513,4 5 \$9,197,00 3745,109 \$2,759,00 5451,89 1839 749,0219 6 \$7,693,00 1107,13 \$2,308,00 4585,99 1539 621,4027 12 \$4,463,00 1794,282 \$1,339,00 2668,72 893 358,8564 10 \$8,042,00 6434 \$2,41,00 1608 1607,8 4 4 <	\$5,273.00 2159.034 \$1,582.00 3113.97 1055 431.8067 4 ×SF \$7,411.00 3024.341 \$2,223.00 4386.66 1482 604.8682 9 ×SF \$7,217.00 2936.12 \$2,165.00 4280.88 1443 587.224 8 ×SF \$9,962.00 5751 \$2,989.00 4211 1992 1150.2 10 ×SF \$7,922.00 3194.503 \$2,377.00 4727.5 1584 638.9007 7 ×SF \$7,613.00 6090 \$2,284.00 1523 1513 5 ×SF \$9,197.00 3745.109 \$2,759.00 5451.89 1639 749.0219 6 ×SF \$4,463.00 1794.282 \$1,339.00 2668.72 893 358.8564 10 ×SF \$8,042.00 6434 \$2,413.00 1608 1607.8 4 ×SF \$8,042.00 6434 \$2,413.00 1608 1697.8 4 ×SF \$8,042.00 120085.2 XSF Tote \$8,042.00 <td>*1001111 \$1,5010 \$11100 \$11000 \$11100</td>	*1001111 \$1,5010 \$11100 \$11000 \$11100

All sub-total and grand total information must also be removed. In this case, this can be done using the subtotal command – remove subtotals.

Also any grand totals or other information contained at the bottom of the form should also be removed.

4063	2868	\$3,936.00	1606.937	\$1,181.00	2329.06	/8/	321.3874	11	AB	15-Het
4064	1314	\$2,859.00	1147.254	\$858.00	1711.75	572	229.4509	8	AB	18-Ma
4065	3138	\$2,741.00	1121.208	\$822.00	1619.79	548	224.2417	7	AB	7-Ju
4066	4760	\$8,907.00	3597.919	\$2,672.00	5309.08	1781	719.5837	7	AB	11-Auc
4067	4233	-\$9,282.00	3715.479	\$2,785.00	5566.52	1856	743.0958	9	AB	26-May
4068	1509	\$1,743.00	711.4642	\$523.00	1031.54	349	142.2928	10	AB	16-May
4069	4048	\$2,261.00	926.3499	\$678.00	1334.65	452	185.27	11	AB	1-Feb
4070	3925	\$5,306.00	2139.146	\$1,592.00	3166.85	1061	427.8292	9	AB	2-Feb
4071	4785	\$341.00	137.3618	\$102.00	203.64	68	27.47236	7	AB	23-Oc
4072	3476	\$9,110.99	3723.843	\$2,733.00	5387.15	1822	744.7686	4	AB	3-Aug
4073	1982	\$7,827.00	3144.758	\$2,348.00	4682.24	1565	628.9515	4	AB	26-May
4074	3491	\$8,687.00	3531.45	\$2,606.00	5155.55	1737	706.29	8	AB	5-Nov
4075	2497	\$7,189.00	2945.9	\$2,157.00	4243.1	1438	589.18	9	AB	10-Fet
4076	3048	\$9,755.00	3996.253	\$2,926.00	5758.75	1951	799.2505	10	AB	17-Dec
4077	2722	\$5,270.00	2116.766	\$1,581.00	3153.23	1054	423.3532	11	AB	4-Dec
4078	2290	\$7,436.00	2989.433	\$2,231.00	4446.57	1487	597.8867	7	AB	3-Jur
4079	2727	\$2,640.00	1065.784	\$792.00	1574.22	528	213.1567	6	AB	21-Fek
4080	1641	\$3,534.73	2221.75	\$1,060.00	1312.98	707	3534.727	1	AB	2-Sep
4081	1290	\$8,274.12	6002.31	\$2,482.00	2271.81	1655	636.4706	13	AB	8-Auc
4082		\$961,965.98	457795.9						AB Total	
4083		\$18,165,270.54	8673997						Grand To	Ital
4084										

Once all this information which is not needed has been removed, and the numeric and date values formatted consistently, the data will appear as follows:

A	В	С	D	E	F	G	Н		J
TagNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate
2587	4377.00	1780.007	1313.00	2596.99	875	356.0014	9	XSF	1/17/09
4721	436.00	176.4384	131.00	259.56	87	35.28769	3	XSF	2/9/10
5255	6331.00	2556.597	1899.00	3774.4	1266	511.3194	11	XSF	6/30/11
2781	5034.00	2021.94	1510.00	3012.06	1007	404.388	6	XSF	5/21/10
5068	1322.00	1058	397.00	264	264	106.1496	9	XSF	10/5/09
3052	0.00	7458	2797.00	1865	1865	761.8721	10	XSF	6/13/10
2097	794.00	318.9716	238.00	475.03	159	63.79432	10	XSF	4/12/10
4356	3579.00	1466.998	1074.00	2112	716	293.3997	6	XSF	8/17/09
4135	9922.00	4027.746	2977.00	5894.25	1984	805.5491	10	XSF	11/7/09
3603	4700.00	1912.569	1410.00	2787.43	940	382.5138	7	XSF	8/7/09
2567	1589.00	637.6959	477.00	951.3	318	127.5392	9	XSF	8/28/10
2090	2280.00	925.8681	684.00	1354.13	456	185.1736	7	XSF	5/22/09
3923	6214.00	4971	1864.00	1243	1243	1665	8	XSF	11/22/10
2186	3581.00	1450.196	1074.00	2130.8	716	290.0392	8	XSF	12/18/09
3466	3100.00	1264.548	930.00	1835.45	620	252.9096	9	XSF	12/26/09
2916	9593.00	3876.45	2878.00	5716.55	1919	775.2901	12	XSF	12/26/09
3351	2668.00	1077.36	800.00	1590.64	534	215.4721	10	XSF	8/1/10
2628	6102.00	2483.623	1831.00	3618.38	1220	496.7246	11	XSF	5/1/10
1408	3086.00	1253.864	926.00	1832.14	617	250.7727	8	XSF	4/15/09
0500	7720.00	2002.01	0000 NN	4407.00	1 // 0 C	EUO E01U	10	VOE	0100710

It can be seen that this data consists of only column headers and rows of data, with no blank lines included.

Saving the data

In order to import the data into the system it must be saved in delimited format. Excel provides this ability to save a sheet as tab delimited values. The data will be saved to a special directory in the Web CAAT folder in order that it can be easily imported.

Although the Web CAAT server software can be saved and used in any folder, the screen shot below illustrates how it appears when it has been saved to a root folder on the "C: drive.

🖃 🚞 server2go 🛛 🔽	🟹 🚞 admin		F
🗉 🦳 admin	🔁 cgi-bin		F
🦰 cai-bin	🛅 dbdir		F
🗉 🧰 dbdir	🛅 dlls		F
alls	adocs		F
a docs	🛅 htdocs		F
final docs	🚞 server		F
	📴 autorun.inf	1 KB	2
AP	🔊 gdiplus. dll	1,607 KB	Æ
ar	🛃 logo.ico	3 KB	I
🗉 🧰 AuditDB	📴 pms_config.ini	7 KB	C
auditDir	🗐 readme.txt	3 KB	Т
🗉 🧰 backup	Server2Go.exe	951 KB	Æ
Batch	i splash.png	25 KB	F
🔁 CA	🔄 🔊 Thumbs.db	8 KB	C
🗉 🧰 cron			
🗉 🚞 Data			
🛅 DC			
🛅 DI			
🛅 DV			
🛅 ER			
_			

~	Datab		Toyoices.txt	817 KB	8/13/2010 10:	12/29
_	j Batth	^		011 KD	9,19,2010 10	10/27
) CA					
± 🛄) cron					
± 🚞) Data					
) DC					
	DI					
) DV					
<u> </u>) ER					
Contraction) FA					
C	GL					
🕀 📄) graph					
E) HU					
<u> </u>) images					
<u></u>) IN					
<u></u>) install					
C	notused					
6) PC					
	PY					
	restore					
	SOL					
	SOLite3					
	Test					
	testdata					
. E 🔁	tmp					
	unload					
	audit 1					
	audit2					
		_				

Within the folder "htdocs" there is a folder named "upload" as shown below:

The data from the Excel sheet will be saved into this folder and have the full name C: $Servber2Go\htdocs\upload\audit1\fixedassets.txt.$

The name "audit1" is used because when the data is imported, the default sign on for the WebCAAT system, namely "audit1" will be used. Note that the upload folder should have a separate sub-folder for each id which may be used. In the example shown here there are three sub-folders for use -1) audit1, 2) audit2 and 3) root.

Saving the Excel data

The data on the sheet is saved using the File | Save As menu and specifying that the save format is Text (tab delimited) values.

The process to save the data on the sheet to a delimited file is as follows:

N 1	Aicrosoft E	xcel - fa.xls						
8	<u>F</u> ile <u>E</u> dit	<u>V</u> iew <u>I</u> nsert Fo	rmat <u>T</u> ools	<u>D</u> ata <u>W</u>	indow <u>H</u> elp	I.		
D	൙ Open	. Ctrl+O 💈 🐰	🗈 🖻 -	🚿 l in +	CH + 🍓	Σ -	🌺 MS Sa	ar
	⊆lose			Security	2 🛠 🕨	2 00 -		
*-	Save A	s 🖸 🖬	A 19400	nly with Char	nges End R	eview		
		× ~~		lob wich Zhαi	igosini e <u>n</u> an	• • • • • • • • • • • • • • • • • • •		
	H3U	▼ <i>Tx</i> 9						_
	A	В	С	D	E	F	G	
1	TagNo	Cost	AD	Replace	Bookval	Salvage	Depr	l
2	2587	4377.00	1780.007	1313.00	2596.99	875	356.0014	
3	4721	436.00	176.4384	131.00	259.56	87	35.28769	
4	5255	6331.00	2556.597	1899.00	3774.4	1266	511.3194	
5	2781	5034.00	2021.94	1510.00	3012.06	1007	404.388	
6	5068	1322.00	1058	397.00	264	264	106.1496	
7	3052	0.00	7458	2797.00	1865	1865	761.8721	
8	2097	794.00	318.9716	238.00	475.03	159	63.79432	
9	4356	3579.00	1466.998	1074.00	2112	716	293.3997	
10	4135	9922.00	4027.746	2977.00	5894.25	1984	805.5491	
11	3603	4700.00	1912.569	1410.00	2787.43	940	382.5138	
12	2567	1589.00	637.6959	477.00	951.3	318	127.5392	

<u>Step 1 – Select the menu item "File | Save As"</u>

Step 2 – Select the format Text (tab delimited)

<		Ш
File <u>n</u> ame:	fixedassets.txt	
Save as <u>t</u> ype:	Text (Tab delimited) (*.txt)	

<u>Step 3 – Click "Save"</u>



Step 4 - Warning message appears, click "OK"



Step 5 - Additional warning message - Click "No"

Microsof	ft Excel
¢,	 fixedassets.txt may contain features that are not compatible with Text (Tab delimited). Do you want to keep the workbook in this format? To keep this format, which leaves out any incompatible features, click Yes. To preserve the features, click No. Then save a copy in the latest Excel format. To see what might be lost, click Help.
	Yes No Help

Step 6 - Click "Cancel"

		>
		· · · · · · · · · · · · · · · · · · ·
		_
	T	Sava I
	-	<u>S</u> ave
	_	Save
	-	<u>S</u> ave
	-	<u>S</u> ave Cancel

The file has now been saved and is ready to be imported using Web CAAT.

The procedures using Web CAAT are as follows:

Step 1 – Start the Web CAAT system (if it is not already started) by clinking on the program, "Server2Go.exe".

😂 server2go	
File Edit View Favorites Tools Help	
🕞 Back 🝷 🕥 🕤 🏂 🔎 Search 🛛	Folders
Folders ×	Name 🔺 S
 hp JQ2 JQZ JQZ Moodle Multimedia Files Multimedia Files MyWorks old-Courses old-Courses opt OSA OSBM o-webcaat o-webcaat php-reader php-reader Program Files Program Files RECYCLER Report 	admin □ cgi-bin □ dbdir □ dbdir □ dlls □ docs □ htdocs □ server ● autorun.inf 1,607 ■ gdiplus.dll 1,607 ■ gdiplus.dll 1,607 ■ readme.txt 3 ■ Server2Go.exe 951 ■ splash.png 25 ■ Thumbs.db 8

The system starts. Login by clicking the "Sign-in" button or by entering a user id and password (default is "audit1" and a password of "audit1".

🥹 Index page (index.php) - Mozilla Firefox								
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	<u>B</u> ook	marks <u>T</u> ools <u>H</u> e	lp					
🎊 Index page (index.php)		+						
<	★ → ▲ 127.0.0.1							
Audits Funct		ions	Processes	Web CAAT				
				Sign in to server at 1				
User id		audit1						
Password		•••••						
Database		test						
Host		localhost						
Auditor		Im N Auditor						
Audit Folder		Work						
Server path	C:/server2go/htdocs							
		Sign-in						

The opening form is displayed. Click "sign-in" and then select the menu item for data import "Processes|Data import| Load data from text file"

zilla Firefo	x					
<u>T</u> ools <u>H</u> el	p					
+						
ort.php					☆ -	C
	Processes	Web CAA	Г	Table Selection		
	Other Processes		rom text file			
	Data Import		Load data from text file			
	Upload file to server		Create table using existing SQL statement			
	Calculated columns					
	Risks		Import paste from Excel			
	Configuration		Drop table Process			
	Test					
	List Access Rules		tructions			
will provid	Maintain Access Rules		ata element input form shown in the 'Help' 's:			'Help'
kt boxes al	Sign-Out					

e text file containing the data to be loaded.

All of the files in the upload folder are displayed, select the file to be imported, which in this case is called fixedassets.txt.

Audits	Functions	Processes	Web CAAT	Table Selection
	file			
Import data from text	: file			fixedassets.txt
				Process
			Form instructions	

For some forms, the **mouse over** will provide a description or purpose of the data element input form shown in the particular, the information in the text boxes above should be completed as follows:

• Select the name of the text file containing the data to be loaded.

1

. . 11 :

• Once all information has been entered, click the "Process" button to view the results.

• Results will also be stored at the location specified for the workpapers to be stored.

Id	Table	Database	Audit
audit1	(not set)	test	Im N Auditor

Clicking the process button displays a form where the data can either be imported into an existing table or else create a new table. In this case a new table will be created, so the form is scrolled to the bottom.

Audits	Functions	Processes	Web CAAT					
Entering function detereminedelimcoltypes								
	File Upload							
Id	audit1							
Database	test							
Instructions Actions to take depend upon whether the data is to be los contain the data upload.								
		Instructions	to load data into a					
 For any column which contains date information, endure that the format of the c type date, but is not, correct it Select the name of the table into which the data is to be loaded from the drop d If existing data is to be replaced indicate with 'Y' in the textbox, otherwise leave Click the button 'Existing table 								
		Instruction	ns to load data into					
Check the spect the s	ified format for each c	olumn and make chang	es as necessary by					

The name of the table is entered, in this case "fixedassets". The column types for the remaining columns are checked.

		Create new table
Dest Table	fixedasset	
Lines to skip	1	
Delimiter	\t	
Enclosure	П	
Column Name	Column type	Width
TagNo	Decimal 💌	10
Cost	Decimal 💌	10
AD	Decimal 💌	10
Replace	Decimal 💌	10
Bookval	Decimal 💌	10
Salvage	Decimal 💌	10
Depr	Decimal 💌	10
Life	Decimal 💌	10
Location	Variable Character 💌	50

Auditing fixed assets with Web CAAT

Replace	Decimal 💌	10
Bookval	Decimal 💌	10
Salvage	Decimal 💌	10
Depr	Decimal 💌	10
Life	Decimal 💌	10
Location	Variable Character 💌	50
AcqDate	Date 💌	
Accode	Variable Character 💌	50
DispDate	Variable Character 💌	50
RepCost	Decimal 💌	10
Acquisition	Decimal 💌	10
ADATE	Date 💌	
Process	New Table	
Id	Table	Database
audit1	(not set)	test

Once the values have been checked, the "New Table" button is clicked.

A form is displayed with any error messages (which are shown in red).

🥹 Load data into new table - Mozilla Firefox							
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp					
👫 Load data into new table	At Load data into new table +						
🔶 کې 🔝 127.0.0.1	1/dc04.php						
Audits	Functions	Processes	Web CAAT				
		La	oad data into new ta				
Id	audit1						
Database	test						
Destination table	fixedasset						
Count of posted elements	15						
Load data into new ta	able						
Count of posted colu	mn names is 15						
SQL create table	SQL create table 'fixedasset' ('TagNo' numeric(10,2), 'Cost' numeric 'Numeric(10,2), 'Salvage' numeric(10,2), 'Depr' numeric(10,2), ' 'Accode' varchar(50), 'DispDate' varchar(50), 'RepCost' nume						
Upload file	C:/server2go/htdocs/u	pload/audit1/fixedasset	s.txt				
Load SQL	oad/audit1/fixedasset AD, @Replace, @B uisition, @ADATE): cval, `Salvage` = @S id/%Y'), `Accode` = r_to_date(@ADATE						

There were no errors in this instance and twenty rows of data are shown in order that the results of the import can be seen.

Auditor:	Auditor:							
Table ana	lyzed - N/	A						
Comment	ts -							
Criteria s	pecified -							
SQL used	d - select °	* from `fix	edasset`lir	nit 20;				
user- root	t							
Database	- test							
Host - loo	calhost							
Column -								
This repo	rt - C:/ser	ver2go/htd	locs/Work	/runsql.htn	n			
Downloa	<u>d</u>							
Rows pro	cessed - 2	20						
TagNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Locatio
2587.00	4377.00	1780.01	1313.00	2596.99	875.00	356.00	9.00	XS
4721.00	436.00	176.44	131.00	259.56	87.00	35.29	3.00	XS
5255.00	6331.00	2556.60	1899.00	3774.40	1266.00	511.32	11.00	XS
2781.00	5034.00	2021.94	1510.00	3012.06	1007.00	404.39	6.00	XS

The data has now been loaded and is ready for audit testing procedures.

In the next section a variety of commonly performed audit tasks will be illustrated. Each audit task objective will be briefly described, then the procedures explained. Finally the results will be shown and interpreted.

Task 1 – Obtain control totals for fixed asset costs to agree to the trial balance.

<u>Step 1 – Sign in to Web CAAT using the default id and password of "audit1"</u>

🥹 Index page (index.p	hp) - Mozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks <u>T</u> ools <u>H</u> el	Þ				
A Index page (index.php) +						
♦ 127.0.0.1	L		' 🔻 🕑 🚼 🕶 Google	<i>P</i>		
() Mozilla Firefox is free an	nd open source software from	n the non-profit Mozilla Found	lation. <u>K</u> now	your rights ×		
Audits	Functions	Processes	Web CAAT]		
Table Selection						
	Sign in to	server at 192.168.0.4				
User id auc	dit1					
Password 📃						
Database test	t					
Host loc	alhost					
Auditor Im I	N Auditor					
Audit Folder Wo	ırk					
Server path C:/s	erver2go/htdocs					
S	ign-in					
	Fo	orm instructions				
For some forms, the r	nouse over will provid	le a description or purp	ose of the data eleme	nt input form		
shown in the 'Help' bo	ox just above the Proce	ss button. In particular,	the information in the	text boxes		
above should be completed as follows:						
To begin with Web CAAT, please enter the following information:						
• Assigned	d user id to access the <	latabase				
C Decemor	d for the user id					

Clicking on the sign-in form results in the automatic display of the table selection form. The table which was created was named "fixedassets". This table will be selected and then used for analysis. Note that on all the forms, the active table name is displayed at the bottom of the form.

🕹 Step 2 - Mozilla Fire	fox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp				
🌺 Step 2	+			~		
< > 🍂 127	.0.0.1/Menu2.php	1	r 🕶 🕑 🚼 🕶 Google	<i>></i>		
() Mozilla Firefox is free ar	nd open source software from	n the non-profit Mozilla Found	dation. Knowy	your rights 🗙		
Audits	Functions	Processes	Web CAAT	<u>^</u>		
Table Selection						
		Select table				
In order to use the an the table is selected, o performed.	alytics functions, a table lick the Process buttor	e must be selected from and then select the nex	the drop down list bel t item on the menu to b	ow. Once be		
Table						
Main form 💿 :	Select table and procee	ed to main form				
Describe 🔘 🔿	Obtain a description of	the table columns				
ShortList 🔘 🔾	Obtain a list of twenty 1	ows of the table for vie	wing the contents			
Pri	Process					
	F	orm instructions				
To process ad-hoc qu use of the following m	ieries, please select a ta ienu items (shown on th	ible name from the drop ie left)	o down list. This will en	able the		
<				► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►		

The table fixedassets is selected from the drop down list after scrolling down. If the names of the columns were needed for display the second radio button could be clicked. However, for this analysis, the information is also available from the drop down list of column names. Clicking on the "Process" button will enable the selection of the analysis tool to use. In this example, the analysis will be "Functions | Numeric functions | Statistics".

The menu item "Functions | Numeric functions | Statistics" is selected in order to obtain control totals for the fixed asset costs.

🕙 Select an audit proc	edure - Mozilla Firefo	¢				X	
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	v <u>B</u> ookmarks <u>T</u> ools <u>H</u> el	þ					
A Select an audit procedur	e 🕇					~	
< 🔶 🔔 🔝 127	.0.0.1/Menu3.php		1	r 🕶 🛃 🛛 Google	<i>,</i>		
(i) Mozilla Firefox is free ar	nd open source software from	n the non-profit	Mozilla Found	dation.	w your rights	×	
Audits	Functions	Processes		Web CAAT		^	
Table Selection	Commonly Used						
	Date Functions		nd to be p	rocessed			
	Numeric Functions		Benford's	Law			
Ready to go!	Other Functions		Cross Tal	bulations		Í	
			Data Stra	atification			
All the menu items to	the left are now availab	le. There are	Extreme	Values	take:		
• C-1+ (- 11	· · · · · · · · · · · · · · · · · · ·	1	Histogran	n			
 Select an (ad h menu item "And 	oc) audit step from the	list on the lef	Numeric	Sequence Gaps	rom the	≡	
used" "Date Fi	inctions" "Numeric fun	n sieps can o ctions" "Oth	Random	Numbers	Junionaly		
Open an audit	program to perform spe	ecified steps.	Restricted	d Summarization			
Run a script		-	Round N	umbers			
Perform other :	adminsitrative tasks		Statistics				
Common terminale market	1 +1 :1 1		Statistics	By Id			
Commonly performed	tasks include:		Summaria	Loy I.u.			
			Summaria	cauon			
Run Benford's	Run Benford's Law test						
Work on audit	program						
Data extraction	<u>l</u>						
Control totals							
http://127.0.0.1/ShowPopSt	e ats.php					>	

The numeric column to be analyzed is named "Cost", so that column is selected from the drop down list. Thus, this analysis will provide basic statistics as they relate to the fixed asset cost.

Population measure	s - Mozilla Fire	efox			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks (<u>T</u> ools <u>H</u> e	lp		
A Population measures		+			Ŧ
♦ 127.0.0.1	l/ShowPopStats.pl	np	ť	🕆 🗲 🚼 🛛 Google	
Audits	Functions		Processes	Web CAAT	^
Table Selection					
		Р	opulation Statistics		
Table f	ixedasset				
Column	Acquisition 💌				
W/P Doc	Acquisition AD	.htm			
All column names (for reference) Example criteria	Bookval Cost Depr Life	s by clicl	king the drop down but	ton to the right	
Where (criteria)	RepCost Replace				
Purpose/Comments	Salvage TaqNo	pulation	i measures		
Help					
Process					
		F	orm instructions		
For some forms, the 1	nouse over w	ill provid	le a description or pur	pose of the data element ir	nput form
shown in the 'Help' bo	ox just above tl	ne Proce	ess button. In particular	r, the information in the tex	t boxes 🛛 🔽
http://127.0.0.1/ShowStats.	php	1	Ш		> .;;

The column named "Cost" is selected from the list of all numeric columns. At this point additional information could have been provided to limit the test to just records meeting certain criteria, etc. However, the demonstration will begin with the very basic. Later in this article, more complex processing will be demonstrated.

🕹 Population measu	rres - Mozilla Firefox						
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp						
Repulation measures	+	~					
♦ ♦ 🏦 127.0.0	0.1/ShowPopStats.php 🟫 🕆 C 🚼 🛪 Google	<u> </u>					
Audits	Functions Processes Web CAAT	^					
Table Selection							
	Population Statistics						
Table	fixedasset						
Column	Cost 💌						
W/P Doc	Work/Statistics.htm	=					
All column names (for reference)							
Example criteria	Show examples by clicking the drop down button to the right						
Where (criteria)							
Purpose/Comments	Obtain basic population measures						
Help							
Process							
Form instructions							
For some forms, the	e mouse over will provide a description or purpose of the data element inpu	t form					
shown in the 'Help' t	box just above the Process button. In particular, the information in the text b	oxes 🗸 🗸					
http://127.0.0.1/500W5tat	cs-prip						

Clicking on the "Process" button enables the results to be displayed. These results are shown below. The top of the form is shown first, and contains the processing information used for documentation in the work papers. Scrolling down the form, the results obtained are displayed.

Population statistics	s - Mozilla Firefox					
<u>File Edit View History</u>	/ <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	łp				
Reputation statistics	+			~		
♦ 127.0.0.1	l/RunPopStats.php	2	7 🔻 😋 🚼 🕶 Google	<i>></i>		
Audits	Functions	Processes	Web CAAT	^		
Table Selection						
	Рорт	ulation statistics				
Report run on Saturd	ay 31st of December 2	011 08:06:26 AM				
Auditor: Im N Audito	r					
Table analyzed - fixed	lasset			=		
Comments - Obtain b	asic population measur	res				
Criteria specified -						
SQL used - select sur	m('Cost') as Total, cou	nt('Cost') as ItemCour	nt, min('Cost') as Minimu StdDou from 'Fuodoacet'	ım,		
ucer audit1	inum, avg(Cost) as As	verage, siu(Cosi) as i		<u>ası</u>		
Database - test				L		
Host - localhost						
Column - Cost						
This report - C'/serve	r2go/htdocs/Work/Stat	tistics htm				
Download						
Rows processed - 1						
Totale			10.16	5 270 54		
Count			10,10	4 064		
			1			
5		1111		≥ .::		

The key statistics for the fixed asset cost are shown in the form. This includes totals, counts, debits, credits, minimum and maximum values, etc. Note that the data does contain errors, e.g. there are fixed assets with a recorded cost of a credit amount. This has been done deliberately in order to illustrate audit procedures for the detection of anomalies. The control totals shown below should then be agreed with the amounts on a trial balance before any further audit work is performed.

۲	🛿 Population statistics - Mozilla Firefox 📃 🗖 🔀									
E	le <u>E</u> dit <u>V</u> iew	v Hi <u>s</u> tory	<u>B</u> ookmarks	<u>T</u> ools	Help					
A	A Population statistics +									
0	A 127.0.0.1/RunPopStats.php									
Τ	Column - Co	st								
	This report - C:/server2go/htdocs/Work/Statistics.htm									
	Download									
	Rows proces	sed - 1								
[Totals							18,165,2	70.54	
	Count								4,064	
	Minimum							-9,9	94.00	
	Maximum						9,997.00			
[Average					4,469.80				
	Standard Dev	viation				3,579.83				
	Debit totals					19,067,898.41				
	Debit Count								3,803	
	Credit totals							-902,6	27.87	
	Credit Count								167	
	Count of Zer	os							94	
	Net totals							18,165,2	70.54	
[Counts					4,064				
	Id	Ta	ıble]	Database	A	uditor	Fold	er	
	audit1 fixedasset test Im N Auditor Work									
<									>	

Task 2 – Obtain sub- totals for fixed asset costs by location.

To obtain sub-totals click the menu item "Functions | Numeric functions | Summarization"

Population statistics	s - Mozilla Firefox					×
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	, <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp				
A Population statistics	+					*
♦ ♦ 127.0.0.1	/RunPopStats.php		1	? 🔻 🤁 🚼 🕶 Goog	jle 🔎 1	
Audits	Functions	Processes		Web CAAT		^
Table Selection	Commonly Used					
	Date Functions		stics			
Report run on Saturd	Numeric Functions		Benford's	s Law		
Auditor: Im N Audito	Other Functions		Cross Tai	bulations		
Table analyzed - fixed	lasset		Data Stra	atification		
Comments - Obtain b	asic population measu	res	Extreme Values			
Criteria specified -	une population means		- Histogram			
SOL used select ar	m((Cost') as Total	unt('Cost') or	- Numeric Sequence Gaps			
max('Cost') as Maxir	num, avg('Cost') as A	verage, std(`(Random	as t		
user- audit1		\	Restricte	d Summarization		
Database - test			Round Numbers			
Host - localhost			Statistics	.		
Column - Cost			Statistics	By Id		
This report Cilcerte	r2ga/htdace/Wark/Stat	tictice htm	Summari	<u>دەيەمە</u> د		
Dormload	izgomicoco monopia	и <i>р</i> ис <i>р.</i> ШШ				
Download						
Lows processed - 1						
Totals					18,165,270.54	
Count					4,064	~
http://127.0.0.1/ShowSumma	ary.php					

A form is displayed, where up to five control breaks can be specified, as well as the numeric column to be summarized. For this example, the summarization will be done by asset cost. Only a single control break will be selected here, namely location. However, if it was desired to obtain sub-totals by useful life within location, then the first control break would be location and the second control break would be useful lives.

The graphic below depicts the selection of the numeric column value to be summarized, named cost.

🕹 Summarization - Mo	zillā	a Firefox								X
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u>	ookmarks <u>T</u> ools	Help)						
A Summarization			+							~
♦ 127.0.0.3	1/Sho	wSummary.php				7 - C	🛃 🔻 Goog	le	<u> </u>	f
Audits	Fu	inctions		Proc	esses	Web C	AAT			^
Table Selection										
		D	ata	Sum	marization					
										1
Table		fixedasset								=
Amount Column		Acquisition 💌								
First Summarization column (major sort)		Acquisition AD Bookval								
Second summarization column (optional)	n	Cost Depr			Third summariza column (optiona	ation 1)		*		
Fourth summarization column (optional)		RepCost Replace Salvage			Fifth summarizat column (optiona	tion 1)		*		
W/P Doc	Wor	TagNo K/Summarization	n.htm	<u>ו</u>						-
All column names (for reference)	Acc	ode 🔽								
Example criteria	Sho	w examples by	click	ing th	e drop down butto	on to the i	right			
Where (criteria)	Where (criteria)									
Purpose/Comments	Sum	imarize amounts	fort	esting	g or tie-in					
numeric colu	umn	to be used :	for	the	test					1.
<										≥ ≥

Next, the first control break is selected from the drop down list. In this example, the control break is location because subtotals of asset cost by location are needed. Note that it is possible to introduce additional complexities, such as additional control breaks as well as criteria for selection. For example, sub-totals may be needed for a specific date range such as assets acquired during a calendar quarter, etc.

🕙 Summarization - Mo	zille	a Firefox							X
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ E	<u>3</u> ookmarks <u>T</u> ools	He	lp					
🌺 Summarization			+						~
♦ 127.0.0.1	1/Sho	wSummary.php			1	7 - C	<mark>∛]</mark> → Google	P	♠
Audits	Fu	unctions		Proc	esses	Web C.	AAT		^
Table Selection									
		I	Data	ı Sum	marization				
Table		fixedasset							
Amount Column		Cost 💌							
First Summarization column (major sort)		Accode 💌							
Second summarization column (optional)	n	AcqDate Acquisition			Third summariza column (optiona	ation 1)		*	
Fourth summarization column (optional)		ADATE Bookval			Fifth summarizat column (optiona	tion 1)		*	
W/P Doc	Wor	Depr DispDate	h.hti	n					
All column names (for reference)	Acc	Life Location RepCost							
Example criteria	Sho	Replace	clic	king th	e drop down butto	on to the r	right		
Where (criteria)		a Saivage TagNo							_
Purpose/Comments	Sum	ımarize amount	s for	testing	; or tie-in				
select a col	lum	n to be used t or dunlica	l or	part	cicipate in t resting	he <u>sum</u>	narizatio:	, same,	↓

<u>Once the control break column "location" is selected from the drop down list.</u> Sub-totals can be obtained by clicking the "Process" button.

🕙 Summarization - N	Aozilla Firefox	×				
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp					
Summarization	+	~				
♦ 127.0.0	0.1/ShowSummary.php 🏫 🕆 😋 🚼 🛪 Google 🔎 🚺					
Fourth summarization column (optional)	on Fifth summarization column (optional)	^				
W/P Doc	Work/Summarization.htm					
All column names (for reference)	Accode 💌					
Example criteria	Show examples by clicking the drop down button to the right					
Where (criteria)		-				
Purpose/Comments	Summarize amounts for testing or tie-in					
Help	:	Ш				
Process						
	Form instructions					
For some forms, the mouse over will provide a description or purpose of the data element input form shown in the 'Help' box just above the Process button. In particular, the information in the text boxes above should be completed as follows:						
 Select the col The names of Specify the point 	lumn to be used for the numeric amount being tested, e.g. Cost. Fone to five columns may be specified to provide summary information by sort key.	~				
<		·:				

Information for the work papers is provided which documents the details of the test performed.

🥹 Summarization - Mozill	la Firefox			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory (<u>B</u> ookmarks <u>T</u> ools <u>H</u>	elp		
🎊 Summarization	+			~
A 127.0.0.1/Ru	unSummary.php	<u></u>	- C	
Audits	unctions	Processes V	Web CAAT	^
Table Selection				
	Dat	a summarization		
Report run on Saturday 3	31st of December	2011 10:14:01 AM		
Auditor: Im N Auditor				
Table analyzed - fixedass	set			≣
Comments - Summarize	amounts for testing	; or tie-in		
Criteria specified -				
SQL used - select `Loca	ation`, sum('Cost`)	as Total, count('Cost') as	ItemCount from `fixe	dasset` as
t group by 'Location' or	der by 'Location';			
user- audit1				
Database - test				
Host - localhost				
Column - Cost				
This report - C:/server2g	go/htdocs/Work/Su	mmarization.htm		
Download				
Rows processed - 13				
'Location'	Total		Count	
	AB	961,965	5.98	210.00
<	1			

Further down the form are the subtotal amounts and counts by location. This information can be copied and pasted into an Excel work book, if desired.

🕹 Summarization - Mozilla Firefox 📃 🗖 🔀									
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookma	arks <u>T</u> ools <u>H</u> elp								
A Summarization +									
(<) 127.0.0.1/RunSummary.php									
This report - C:/server2go/htdocs/Work/Summarization.htm									
Download									
Rows processed - 13									
'Location'	Total		Count						
AB		961,965.98		210.00					
ABC		13,633,956.68		3,081.00					
CF		456.49		1.00					
DSR		1,173,028.99		256.00					
EFR		95,146.99		24.00					
FGT		614,067.00		128.00					
GHF		1,102,889.89		232.00					
JHT		301,786.99		69.00					
MI		2,613.68		1.00					
NC		10,390.04		2.00					
PA		13,090.31		4.00					
PE		10,223.50		3.00					
XSF		245,654.00		53.00					
Id Table	Database	Audito	r	Folder					
audit1 fixedasset	test	Im N Auditor	•	Work					
<					μţ				

Error checking and data extraction

A variety of audit tests can be performed to check for basic data errors. Examples of errors include assets with a negative cost, over-depreciated assets, assets with an invalid useful life, missing fixed asset tag numbers, etc. Shown next will be procedures which can be used to identify each of these potential error conditions.

Other procedures which are commonly used include preparing a schedule of the ten largest costs for assets, applying Benford's Law, selecting a random sample etc.

Task 3 –Quantify the amount and number of fixed assets which have a cost of less than \$500 (the capitalization policy amount).

To test compliance with the capitalization policy, totals and counts are to be obtained for all fixed assets having a cost of less than \$500, which is the minimum amount of cost an asset must have in order to be capitalized, per company policy.

The menu item to be used is "Functions | Numeric functions |Statistics".

🥹 Summarization - Mo	zilla Firefox				
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	v <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	łp			
A Summarization	+				~
🔶 🔶 🎎 127.0.0.1	/RunSummary.php		☆ - C	Google 😽 🗸	<i>P</i>
Audits	Functions	Processes	Web	CAAT	^
Table Selection	Commonly Used				
	Date Functions		ıtion		
Report run on Saturda	Numeric Functions		Benford's Law		
Auditor: Im N Audito	Other Functions		Cross Tabulatio	ns	
Table analyzed - fixed	lasset		Data Stratificati	on	
Comments - Summari	ize amounts for testing	or tie-in	Extreme Values		
Criteria specified -			- Histogram		
SOL used - select 'L	acation' sum('Cost') :	ac Total	- Numeric Sequence Gaps		
t group by 'Location'	order by 'Location';	as 100ai, coui	Random Numb		
user- audit1			Restricted Sum		
Database - test			Round Number	'S	
Host - localhost			Statistics		
Column - Cost			Statistics By Id		
This report - C'/serve	r2go/htdocs/Work/Sur	nmarization h	tm		
Download					
Bows processed - 13	 				
Location	Total			Count	
	AB		961,965.98		210.00
http://127.0.0.1/ShowPopSta	ats.php)	> .:

The numeric column to be tested is "cost" which is selected from the drop down list.

🕙 Populat	tion measu	ıres - Mozilla Fir	efox					×
<u>F</u> ile <u>E</u> dit	<u>V</u> iew Hi <u>s</u> t	ory <u>B</u> ookmarks	<u>T</u> ools <u>H</u> e	lp				
🌺 Populatio	on measures		+					~
(+)	🎎 127.0.	0.1/ShowPopStats.p	hp		☆ - C	🚼 👻 Google	<i>P</i> 1	E)
Audits		Functions		Processes	Web	CAAT		^
Table Se	lection							
			Р	opulation Stati	stics			
Table		fixedasset						
Column		Acquisition 💌						
W/P Doo	0	Acquisition AD	.htm					=
All colum	nn names	Bookval						
(for refer	ence)	Depr V						
Example	criteria	Life BenCost	s by clic	king the drop do	wn button to th	e right		
Where (o	criteria)	Replace						
Purpose/	Comments	Salvage TagNo	pulation	measures				
nu	meric co	lumn to be u	sed for	the test				
Heln								
Trup								
		_						
P	rocess	;						
	Form instructions							
For some	For some forms, the mouse over will provide a description or purpose of the data element input form							
shown in	the 'Help'	box just above t	he Proce	ss button. In pa	ticular, the in	formation in the	text boxes	~
<							>	

<u>The criteria to be used is "cost < 500", i.e. any fixed asset record where the cost of the asset is less than \$500.</u>

🕹 Population measu	res - Mozilla Firefox							
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ry <u>B</u> ookmarks <u>T</u> ools	Help						
A Population measures	-	F		÷				
< → 127.0.0).1/ShowPopStats.php	5	🚖 न 🕑 🚼 न Google	<i>P</i>				
Audits	Functions	Processes	Web CAAT]				
Table Selection				-				
		Population Statistics						
Table	fixedasset							
Column	Cost 💌							
W/P Doc	Work/Statistics.htm			=				
All column names (for reference)				=				
Example criteria	Show examples by c	licking the drop down bu	tton to the right					
Where (criteria)	cost < 500 T							
Purpose/Comments	Obtain basic populati	ion measures						
Help	Help							
Process								
	Form instructions							
For some forms, the shown in the 'Help' 1	: mouse over will prov box just above the Pro	vide a description or pur ocess button. In particula	pose of the data elemer r, the information in the	nt input form text boxes				
<	-	-		>				

Once the "Process" button is clicked, the information used for the test is displayed and can be included in the work papers.

Population statistic	s - Mozilla Firefox			
<u>File Edit View History</u>	/ <u>B</u> ookmarks <u>T</u> ools	Help		
A Population statistics	-	-		~
♦ 127.0.0.1	l/RunPopStats.php		🟫 🖣 🕑 🚼 🕶 Google	
Audits	Functions	Processes	Web CAAT]
Table Selection				
	Po	pulation statistics		
Report run on Saturd	ay 31st of December	2011 10:36:11 AN	h.	
Auditor: Im N Audito	r			
Table analyzed - fixed	lasset			≣
Comments - Obtain b	asic population mea	sures		
Criteria specified - co	st < 500			
SQL used - select su	m('Cost`) as Total, c	ount('Cost') as Iten	nCount, min('Cost') as Minis	mum,
max('Cost') as Maxii	num, avg('Cost') as	Average, std(`Cost`	') as StdDev from `fixedasse	t`ast
where cost < 500				
Detabage test				
Database - test				
Galuman Coat				
This see out - Cost				
Described	12go/maous/ work) 5	tausues.nun		
Incows processed - 1		<u>)</u> [
Totals			-	856,558.40
Caunt C				125

The summary information is shown below. In total, there are 435 fixed asset records which do not meet the capitalization policy and they have a total cost of -\$856,558.40. The reason for the negative value is that the master file of fixed asset records deliberately includes some error conditions in order to illustrate the capabilities of Web CAAT for data analysis.

🕙 Population	statistics - Mozilla Fi	refox							
<u>File E</u> dit <u>V</u> iev	v Hi <u>s</u> tory <u>B</u> ookmarks	Tools Help							
A Population sta	atistics	+		~					
<	127.0.0.1/RunPopStats.p	bhp	🟫 🔻 🤁 🚼 🕶 Goo	gle 🔎 🍙					
Column - Co	st								
This report -	C:/server2go/htdocs/	Work/Statistics.htm							
Download									
Rows proces	ssed - 1								
Totals				-856,558.40					
Count				435					
Minimum				-9,994.00					
Maximum				498.00					
Average				-1,969.10					
Standard De	viation			3,279.76					
Debit totals				46,069.47					
Debit Count				174					
Credit totals				-902,627.87					
Credit Count	;			167					
Count of Zer	os			94					
Net totals			-856,558.40						
Counts			435						
Id	Id Table Database Auditor Folder								
audit1	audit 1 fixedasset test Im N Auditor Work								
<		Ш							

Task 4 – Prepare a schedule of over-depreciated assets.

The next task is to prepare a schedule of over-depreciated assets. Here, the definition of over depreciation will be fixed asset records whose net book value ($\cos t$ – accumulated depreciation) is less than salvage value. This will be specified using the criteria "($\cos t$ – AD) < salvage" – $\cos t$ is the name of the cost column, AD is the name of the accumulated depreciation column and salvage is the name of the column containing the salvage value.

The menu item used is "Functions | Commonly used | Data extract".

🐸 Data extraction - M	lozilla Firefox	
<u>File Edit View Histor</u>	ry <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp	
A Data extraction	+	•
♦ 127.0.0.	.1/ShowExtract.php	🟫 - C 🚼 - Google 👂 🍙
Audits	Functions Processes	Web CAAT
Table Selection	Commonly Used	Data Extract
	Date Functions	Duplicates
Table	f Numeric Functions	
Column	Other Functions	
W/P Doc	Work/DataExtract.htm	
Where		
Count only?		
Purpose/Comments	Extract data for further testing or to is	olate error conditions
Uata		
Treip		
	4	
Process		
	Form instruct	ions
For some forms, the	mouse over will provide a descript	ion or purpose of the data element input form
shown in the 'Help' b	oox just above the Process button. Ir	n particular, the information in the text boxes
above snouid be con	npieted as Iollows:	
Specify the na http://127.0.0.1/ShowExtra	me and location for the output repor act.php	rt to be stored for the work papers. e.g.

The criteria used is "(cost – AD) < salvage"

🕙 Data extraction - I	Mozilla Firefox 📃 🗖 🔀
<u>Eile E</u> dit <u>V</u> iew Hi <u>s</u> to	rry <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp
A Data extraction	+ *
🔶 🔶 🎎 ا).1/ShowExtract.php 🏫 🕆 😋 🚼 🗸 Google 🔎 🏫
Audits	Functions Processes Web CAAT
Table Selection	
	Data Extraction
Table	fixedasset
Column	Accode 💌
W/P Doc	Work/DataExtract.htm
Where	(cost-AD) <sa]< td=""></sa]<>
Count only?	
Purpose/Comments	Extract data for further testing or to isolate error conditions
criteria u	sed to limit the test, leave blank to test all rows
Help	
Trop	
Process	
	Form instructions
For some forms, the	mouse over will provide a description or purpose of the data element input form
shown in the 'Help' 1	box just above the Process button. In particular, the information in the text boxes
above should be co	mpleted as follows:
Specify the n	ame and location for the output report to be stored for the work papers. e.g.
<	· · · · · · · · · · · · · · · · · · ·

The report parameters used for the data extract are shown.

٢	Data ex	traction - I	Mozilla Fi	refox							
Eile	<u>E</u> dit	<u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookn	narks <u>T</u> ool:	s <u>H</u> elp						
РМА	Data ext	raction			+						~
۲))	<u>A</u> 127.0.0	0.1/RunExtr	act.php			☆	- C	🛃 🔻 Goog	le 🔎	
A	udits		Functi	ons	Pro	cesses		Web C	AAT		^
Т	able Se	lection									_ []
					Data e	extraction					
R	.eport n	ın on Satur	day 31st	ofDecem	ber 2011	10:47:07	AM				
A	uditor:]	Im N Audi	tor								
Ta	able ana	alyzed - fix	edasset								
C	ommen	ts - Extrac	t data for	further te:	sting or the	isolate err	or conditi	ons			
C	riteria s	pecified - ((cost - AI))							
S	QL use	d - select °	[¢] from `fix	ædasset` v	where (cos	st - AD)					
u	ser- aud	lit1									
D	atabase	e - test									
Η	lost - lo	calhost									
C	olumn -	- N/A									
T	his repo	ort - C:/ser	ver2go/ht	docs/Worl	k/DataExtr	ract.htm					
D	ownloa	<u>.d</u>									
R	ows pro	ocessed - 2	292								
Ta	agNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	Acc
30	052.00	0.00	7458.00	2797.00	1865.00	1865.00	761.87	10.00	XSF	2010-06-13	
4:	576.00	0.00	1776.59	1301.00	2559.41	867.00	355.32	10.00	XSF	2009-06-05	~
<											>

A schedule of such assets is shown. (not all of the schedule is shown). It can be seen that the first asset record is listed because it has a zero cost with accumulated depreciation of \$7,458.00, an obvious error. Salvage values are included in the report but can only be seen by scrolling to the right within the form displayed.

e	🕙 Data extraction - Mozilla Firefox 🛛 📃 🗖 🔀											
ŀ	jie <u>E</u> dit	<u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookn	narks <u>T</u> ool:	s <u>H</u> elp							
,	🌺 Data exti	raction			+						-	
(()	🎊 127.0.0	0.1/RunExtr	act.php				- C	🛃 🔻 Goog	le 🔎		
	11031 - 10	Calliost										~
	Column -	· N/A									_	
	This repo	ort - C:/ser	ver2go/ht	docs/Worl	c/DataExtr	act.htm						
	Downloa	<u>d</u>										
	Rows pro	ocessed - 2	292									
	TagNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	Acc	
	3052.00	0.00	7458.00	2797.00	1865.00	1865.00	761.87	10.00	XSF	2010-06-13		
	4576.00	0.00	1776.59	1301.00	2559.41	867.00	355.32	10.00	XSF	2009-06-05		
	2189.00	0.00	2493.19	1857.00	3695.81	1238.00	498.64	5.00	JHT	2010-07-18		
	3457.00	-6953.00	2793.63	2086.00	4159.37	1391.00	558.73	9.00	JHT	2009-10-01		
	3467.00	-1807.00	8083.00	542.00	-6276.00	361.00	1616.60	7.00	JHT	2011-03-20		
	1691.00	-8773.00	3560.09	2632.00	5212.91	1755.00	712.02	8.00	THI &	2009-02-23		
	1696.00	6872.00	7615.00	2062.00	-743.00	1374.00	1523.00	11.00	GHF	2009-05-12		
	3576.00	3260.00	8032.00	978.00	-4772.00	652.00	1606.40	7.00	GHF	2010-08-12		
	4778.00	0.00	1710.45	1277.00	2547.55	852.00	342.09	8.00	GHF	2010-06-06		
	3999.00	0.00	1014.77	743.00	1463.23	496.00	202.95	4.00	GHF	2009-03-28		
	1294.00	-2763.00	1117.48	829.00	1645.52	553.00	223.50	9.00	GHF	2010-03-25		
	3908.00	-6997.00	2857.48	2099.00	4139.52	1399.00	571.50	9.00	GHF	2010-05-14		
	4936.00	4111.00	8511.00	1233.00	-4400.00	822.00	1702.20	11.00	GHF	2009-02-05		
	3900.00	0.00	3365.67	2520.00	5033.33	1680.00	673.13	5.00	GHF	2009-08-11		~
<											>,	.:

Task 5 – Prepare a schedule of assets having an invalid useful life.

For purposes of illustration, it will be assumed that all assets must have a useful life of three years or more and that no asset can have a useful life of over 40 years. In order to prepare a schedule of any such assets having an invalid useful life, the criteria used will be "life < 3 or life > 40". Note that there are also other specifications possible, such as "life not between 2 and 40". The syntax of these commands is not completely free-form as it must comply with SQL standards. However, once an auditor learns some of the basic syntax, it is possible to prepare quite complex criteria for audit testing.

Screen shots of the process to prepare a schedule of invalid useful lives are as follows. Menu item is "Functions | Commonly Used | data extract".

🐸 Data extraction - Mo	ozilla Firefox							
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u> ookmarks <u>T</u> ools	Help						
A Data extraction		+						~
♦ 127.0.0.1	1/RunExtract.php				- C	🛃 🔻 Goog	le 🔎	
Audits	Functions	Pro	cesses		Web C	AAT		^
Table Selection	Commonly Used		I	ata Extra	^{ct}			
	Date Functions		E	uplicates	U			
Report run on Saturd	Numeric Function	ns	7 1	AM				
Auditor: Im N Audito	Other Functions							
Table analyzed - fixed	lasset							
Comments - Extract	data for further testi	ing or to i	solate erro	or conditio	ns			
Criteria specified - (c	ost - AD)							
SQL used - select * f	from `fixedasset` w!	here (cos	t - AD)					
user- audit1								
Database - test								
Host - localhost								
Column - N/A								
This report - C:/serve	 er2go/htdocs/Work/	/DataExtra	act.htm					
Download								
Rows processed - 29	¥2							
TagNo Cost A	D Replace E	Bookval	Salvage	Depr	Life	Location	AcaDate	Acc
3052.00 0.00 7	458.00 2797.00	1865.00	1865.00	. 761.87	10.00	XSF	2010-06-13	
4576.00 0.00 1	776.59 1301.00	2559.41	867.00	355.32	10.00	XSF	2009-06-05	
http://127.0.0.1/ShowExtrac	ct.php							>

Criteria used is "life < 3 or life > 40". Note that alternative syntax is possible such as "life not between 3 and 40", "(life <=2) or (life > 40)", "(life !<= 40) or (life <3)" etc.

🕙 Data extraction - M	lozilla Firefox 📃 🗖 🔀
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ry <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp
A Data extraction	+
في 127.0.0	.1/ShowExtract.php 🏫 🕆 😋 🚼 🛪 Google 🔎 🏫
Audits	Functions Processes Web CAAT
Table Selection	
	Data Extraction
Table	fixedasset
Column	Accode 💌
W/P Doc	Work/DataExtract.htm
Where	life < 3 or life > 40
Count only?	
Purpose/Comments	Extract data for further testing or to isolate error conditions
Help	
Process	
	Form instructions
For some forms, the	mouse over will provide a description or purpose of the data element input form
shown in the 'Help' b	oox just above the Process button. In particular, the information in the text boxes
above should be con	npleted as follows:
 Specify the na 	me and location for the output report to be stored for the work papers, e.g.

A schedule is shown which includes the processing parameters used.

🕲 Data extraction	- Mozilla F	irefox							
<u>File E</u> dit <u>V</u> iew	Hi <u>s</u> tory <u>B</u> ook	marks <u>T</u> ool	s <u>H</u> elp						
A Data extraction			+						~
 Ama 123 	7.0.0.1/RunExt	ract.php				- C	🛃 🔻 Googl	e 🔎	
Audits	Func	tions	Pr	ocesses		Web C.	AAT		^
Table Selection									
			Data	extractio	n				
Report run on S	aturday 31s	t of Decem	iber 2011	10:55:29	AM				
Auditor: Im N A	uditor								
Table analyzed -	fixedasset								
Comments - Ext	ract data fo:	r further te:	sting or to	isolate en	ror condit	ions			
Criteria specifie	l - life < 3 o	r life > 40							
SQL used - sele	ct * from `fi	xedasset' [,]	where life	< 3 or life	: > 40				
user- audit1									
Database - test									
Host - localhost									
Column - N/A									
This report - C:/	server2go/h	tdocs/Wor	k/DataEx	tract.htm					
Download									
Rows processed	- 14								
TagNo Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	Acc
3396.00 3735.	36 1723.55	5 1121.00	2011.81	747.00	3735.36	1.00	PE	2011-04-09	
4558.00 1054.	53 685.96	5 316.00	368.57	211.00	100.00	0.00	PE	2009-07-09	~
<									>

Scrolling down the form, the results can be seen. A total of 14 asset records had useful lives not considered to be valid.

Note that the useful lives are shown with a decimal because when the data was imported, the option to import the useful life as a whole integer was not selected. This does not invalidate the test, but it does make the results look a little odd.

e	🕽 Data ex	tractio	on - N	lozilla Fi	refox								
E	jie <u>E</u> dit	⊻iew	Hi <u>s</u> to	ry <u>B</u> ookn	narks	Tools	s <u>H</u> elp						
4	🏡 Data exti	raction					+						~
(() (A 12	27.0.0).1/RunExtr	act.php)				- C	🛃 🗝 Googl	e 🔎	
Download													^
	Rows pro	ocesse	:d - 1	.4									
	TagNo	Cost		AD	Repl	ace	Bookval	Salvage	Depr	Life	Location	AcqDate	Acc
	3396.00	3735	5.36	1723.55	1121	.00	2011.81	747.00	3735.36	1.00	PE	2011-04-09	
	4558.00	1054	1.53	685.96	316	5.00	368.57	211.00	100.00	0.00	PE	2009-07-09	
	2859.00	4921	1.66	3384.68	1476	5.00	1536.98	984.00	4921.66	1.00	PA	2010-04-03	
	1307.00	7607	7.24	3846.62	2282	2.00	3760.62	1521.00	100.00	0.00	NC	2010-09-28	
	1653.00	1145	5.00	466.33	344	ł.00	678.67	229.00	93.27	57.00	GHF	2010-11-07	
	5175.00	8944	1.00	7155.00	2683	3.00	1789.00	1789.00	716.14	0.00	GHF	2009-09-25	
	2262.00	4863	3.00	1976.23	1459	9.00	2886.77	973.00	395.25	0.00	GHF	2009-06-23	
	2070.00	2437	7.00	985.80	731	.00	1451.20	487.00	197.16	67.00	GHF	2011-08- 🐶	
	4406.00	471	1.00	192.41	141	.00	278.59	94.00	38.48	78.00	GHF	2010-11-03	
	5051.00	5350).00	2170.42	1605	5.00	3179.58	1070.00	434.08	65.00	GHF	2009-10-12	
	1719.00	5807	7.00	2366.26	1742	2.00	3440.74	1161.00	473.25	150.00	GHF	2009-12-15	
	4492.00	-6761	1.76	6261.76	2029	9.00	500.00	1352.00	3380.88	2.00	FGT	2009-12-04	
	1941.00	7043	3.96	3320.27	2113	3.00	3723.69	1409.00	7043.96	1.00	AB	2009-11-15	
	1641.00	3534	1.73	2221.75	1060).00	1312.98	707.00	3534.73	1.00	AB	2010-09-02	
	Id			Table			Database			Auditor		Folder	
	audit 1	fiz	xeda	sset		test			Im N Aud	litor		Work	
<	1												

Task 6 –Identify any missing fixed asset tag numbers.

A common audit test is to check for numeric sequence gaps. In this example, the fixed asset tag numbers should be complete.

🕹 Data extraction - Mo	ozilla Firefox							
<u>Eile E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u> ookmarks <u>T</u> ool	s <u>H</u> elp						
A Data extraction		+						~
♦ 🏔 127.0.0.1	1/RunExtract.php				~ C	🛃 🔻 Google	e 🔎	
Audits	Functions	F	rocesses		Web C.	AAT		^
Table Selection	Commonly Use	đ						
	Date Functions		r	on				
Report run on Saturd;	Numeric Function	ons		Benford's	Law			
Auditor: Im N Audito	Other Functions)		Cross Tab	oulations			
Table analyzed - fixed	- lasset			Data Stra	tification			
Comments - Extract (data for further te	sting or t	to isolate e	- Extreme Values				
Criteria specified - life	e < 3 or life > 40			Histogram	1	7		=
SOI used - select * f	from 'fivedasset'		Pe < 3 or lit	Numeric Sequence Gaps				
User andit 1		WIICIC III		Random Numbers				
User- augu I				Restricted Summarization				
Database - test				Round Numbers				
Host - localhost				Statistics	- 1			
Column - N/A				Statistics .	By Id			
This report - C:/serve	r2go/htdocs/Wor	k/DataE	xtract.htm	Summariz	ation			
Download								
Rows processed - 14	t							
TagNo Cost A	D Replace	Bookva	al Salvage	Depr	Life	Location	AcqDate	Acc
3396.00 3735.36 1	723.55 1121.00	2011.8	1 747.00	3735.36	1.00	PE	2011-04-09	
4558.00 1054.53	685.96 316.00	368.5	7 211.00	100.00	0.00	PE	2009-07-09	~
http://127.0.0.1/ShowTop.ph	np III							>

The menu item to be used is "Functions | Numeric functions | Numeric Sequence Gaps".

🕲 Data extraction - M	ozilla Firefox								
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tor	y <u>B</u> ookmarks	<u>T</u> ools <u>H</u> el	lp						
A Data extraction		+						~	
♦ 127.0.0.	1/RunExtract.php			- C	🛃 🔻 Googl	e 🔎			
Audits	Functions		Processes		Web C.	AAT		^	
Table Selection	Commonly U	sed							
	Date Functio	ns		on					
Report run on Saturd	la Numeric Fun	ctions		Benford's	Law			-	
Auditor: Im N Audito	Other Functi	ons		Cross Tat	oulations				
Table analyzed - fixed	dasset			Data Stra	tification			-	
Comments - Extract	data for further	testing c	or to isolate e	Extreme Values					
Criteria specified - lif	°e < 3 or life > ∘	40		Histogram					
SOL used - select *	from `fixedasse	t` where	life < 3 or lif	Numeric Sequence Gaps					
user- audit1				Random Numbers					
Database - test				Restricted Summarization					
Host - localhost				Chatistics					
Column - N/A				Statistics	By Id			-	
This report - C:/serve	er2go/htdocs/V	lork/Dat:	aExtract htm	Summariz	ation			-	
Download		,0110 L) ut						-	
Rownbag	1							-	
Trows processed - 1-						_	· -	<u> </u>	
TagNo Cost /	AD Repla	ce Book	cval Salvage	Depr	Life	Location	AcqDate	Act	
3396.00 3735.36 1	1723.55 1121.	00 2011	.81 747.00	0 3735.36	1.00	PE	2011-04-09		
4558.00 1054.53	685.96 316.	00 368	211.00	100.00	0.00	PE	2009-07-09	~	
http://127.0.0.1/ShowGap.p	ohp 📖							>	

The name of the column to be analyzed is "tagno" which is the fixed asset record tag number.

🕹 Numeric sequence	gaps - Mozilla	Firefox			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tor	y <u>B</u> ookmarks	<u>T</u> ools <u>H</u> e	lp		
A Numeric sequence gaps		+			~
♦ 127.0.0.	1/ShowGap.php		1	🕆 👻 🚼 🕶 Google	<i>></i> ^
Audits	Functions		Processes	Web CAAT	^
Table Selection					
		Nu	meric sequence gap	S	
Table f	fixedasset				
Column	Acquisition 🐱				
W/P Doc	Acquisition AD	eGaps.h	tm		=
All column names (for reference)	Bookval Cost Depr				
Example criteria	Life	s by clicl	king the drop down but	ton to the right	
Where (criteria)	Replace				
Purpose/Comments	Salvage TagNo	sequen	ce gaps		
Help	umn to be u	sed for	the test		
Process					
	Form instructions				
For some forms, the mouse over will provide a description or purpose of the data element input form					
<					

All of the tag numbers are to be tested, therefore no criteria are entered and the "Process" button is clicked.

🕙 Numeric sequence	gaps - Mozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tor	y <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp				
🎊 Numeric sequence gaps	+			~		
♦ 127.0.0.	1/ShowGap.php	1	7 🕶 🥙 🚼 🕶 Google			
Audits	Functions	Processes	Web CAAT] ^		
Table Selection						
	Nu	meric sequence gaps				
Table	fixedasset					
Column	TagNo 🖌					
W/P Doc	Work/SequenceGaps.h	ıtm		=		
All column names (for reference)						
Example criteria	Show examples by clic	king the drop down butte	on to the right			
Where (criteria)						
Purpose/Comments	Identify numeric sequen	ice gaps				
Help						
Process						
	Form instructions					
For some forms, the	mouse over will provid	le a description or purp	ose of the data elemer	nt input form		
shown in the 'Help' b	ox just above the Proce	ss button. In particular,	, the information in the	text boxes		

The system prepares a report of numeric sequence gaps.

🕙 Checking for numer	ic gaps - Mozilla Fire	fox		
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks <u>T</u> ools <u>F</u>	<u>l</u> elp		
🎎 Checking for numeric gap	ps +			~
♦ 127.0.0.1	l/RunGap.php		🚖 ▾ 🕑 🚼 ▾ Google	<i>P</i>
Audits	Functions	Processes	Web CAAT	^
Table Selection		•		
	Num	eric sequence	gaps	
Report run on Saturda	ay 31st of December	2011 11:03:16	AM	
Auditor: Im N Audito	r			
Table analyzed - fixed	lasset			≣
Comments - Identify 1	numeric sequence gap	S		
Criteria specified -				
SQL used - select `Ta	agNo`, t.* from `fixed	asset` as t orde	er by `TagNo`;	
user- audit1				
Database - test				
Host - localhost				
Column - TagNo				
This report - C:/serve	r2go/htdocs/Work/Se	quenceGaps.ht	tm	
Download				
Rows processed - 4064				
Gap starting number			Gap ending number	
1417.00 1419.00				
1646.00			1648.00	~
<		Ш		2

The starting and ending number for each sequence gap is provided. Note that it is not necessary to "pre sort" the file. Summary information is provided, both the total number of gaps as well as the total number of missing items.

Note that the tag numbers are shown with decimal points because the data was not imported as a whole integer. This does not invalidate the results, however.

🕹 Checking for numeric gaps - Mozilla Firefox	
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp	
A Checking for numeric gaps +	*
(+) 127.0.0.1/RunGap.php	🚖 ד 😋 🚼 ד Google 🛛 🔎 🍙
This report - C:/server2go/htdocs/Work/SequenceGaps.h	tm
Download	
Rows processed - 4064	
Gap starting number	Gap ending number
1417.00	1419.00
1646.00	1648.00
1740.00	1742.00
1823.00	1825.00
1826.00	1828.00
1901.00	1903.00
1954.00	1956.00
2716.00	2718.00
2945.00	2947.00
2954.00	2956.00
3217.00	3219.00
4209.00	4211.00
4320.00	4322.00
4479.00	4481.00
Number of gaps identified:	14
<	

Task 7 –Quantify the amount and number of fixed assets which have a negative cost.

Quantification of the number and amount of fixed assets having a negative cost can be done using the statistics function. Menu item is "Functions | Numeric functions | Statistics"

🕙 Checking for numer	ic gaps - Mozilla Fire	fox			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	, Bookmarks Tools F	<u>t</u> elp			
A Checking for numeric gap	s +				~
♦ ♦ 127.0.0.1	./RunGap.php		1	r 👻 🛃 🕶 Google	<i>></i> ^
Audits	Functions	Processes		Web CAAT	^
Table Selection	Commonly Used				
	Date Functions		e gans		
Report run on Saturda	Numeric Functions		Benfords	s Law	
Auditor: Im N Audito	Other Functions		Cross Ta	bulations	
Table analyzed - fived	- laccet		Data Stra	atification	
Comments - Identify			Extreme Values		
Comments - ruentry r	пашенс зециенсе дар	15	Histogram ———		
Criteria specified -			Numeric Sequence Gaps		
SQL used - select "Is	agNo', t.* from 'fixed	asset' as t ord	Random Numbers		
user- audit1			Restricte	d Summarization	
Database - test			Round N	umbers	
Host - localhost			Statistics		
Column - TagNo			Statistics	By Id 🖤	
This report - C:/serve	r2go/htdocs/Work/Se	quenceGaps.ł	Summari	zation	
Download					
Rows processed - 4064					
Gap starting number			Gap end	ing number	
1417.00			1419.00		
1646.00			1648.00		
http://127.0.0.1/ShowPopSta	ats.php				

Numeric column to be tested is "cost" which is selected from the drop-down list.

🕙 Population measur	es - Mozilla Fir	efox				
<u>File E</u> dit ⊻iew Histor	ry <u>B</u> ookmarks	<u>T</u> ools <u>H</u> el	lp.			
A Population measures		+			-	
♦ 127.0.0.	.1/ShowPopStats.p	hp		🟫 🔻 😋 🚼 🕶 Google	<i>P</i>	
Audits	Functions		Processes	Web CAAT		
Table Selection						
	Population Statistics					
Table	fixedasset					
Column	Acquisition 💌					
W/P Doc	Acquisition AD	.htm			=	
All column names	Bookval Cost					
(for reference)	Depr 😽					
Example criteria	Life BenCost	s by clici	king the drop down	button to the right		
Where (criteria)	Replace					
Purpose/Comments	Salvage TagNo	pulation	measures			
numeric col	umn to be u	sed for	the test			
Hala						
TTEID						
	4					
Process						
Form instructions						
For some forms, the	For some forms, the mouse over will provide a description or purpose of the data element input form					
shown in the 'Help' b	ox just above t	he Proce	ss button. In partic	ular, the information in the	text boxes 🛛 🔽	
<					>	

Criteria to be applied is "cost < 0", i.e. all fixed asset records having a recorded cost which is negative (an error condition).

🕙 Population measu	res - Mozilla Firefox				
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookmarks <u>T</u> ools <u>F</u>	<u>t</u> elp			
A Population measures	+			Ŧ	
♦ € 127.0.0	0.1/ShowPopStats.php	ŕ	rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr	<i>P</i>	
Audits	Functions	Processes	Web CAAT	^	
Table Selection					
		Population Statistics			
Table	fixedasset				
Column	Cost 💌				
W/P Doc	Work/Statistics.htm				
All column names (for reference)					
Example criteria	Show examples by cli	cking the drop down butt	on to the right		
Where (criteria)	cost < 0				
Purpose/Comments	cost < 500				
Help					
Process	4				
Form instructions					
For some forms, the shown in the 'Help'	mouse over will prov	ide a description or purp ess button. In particular	oose of the data element , the information in the t	input form ext boxes	
<		-		> .:	

The work-paper report lists the parameters used to prepare the report.

Population statistics	- Mozilla Firefox				
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	, <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp			
A Population statistics	+				~
€ → 🏦 127.0.0.1	/RunPopStats.php		☆ - C	Soogle	<i>></i>
Audits	Functions	Processes	Web	CAAT]
Table Selection					
	Рорт	ulation statistic	s		
Report run on Saturda	ay 31st of December 2	011 11:10:39 A	М		
Auditor: Im N Audito:	r				
Table analyzed - fixed	asset				=
Comments - Obtain b	asic population measur	res			
Criteria specified - co	st < 0				
SQL used - select sur	n('Cost') as Total, cou	nt('Cost') as Iter	mCount, min('Cost') as Mini	mum,
max('Cost') as Maxir.	num, avg('Cost') as As	verage, std('Cosi	t') as StdDev	from 'fixedasse	ťast
user- audit 1					
Datahase - test					
Host - localhost					
Column - Cost					
This report - C:/serve:	r2go/htdocs/Work/Stat	tistics.htm			
Download					
Rows processed - 1					
Totals				-!	902,627.87
Canat					167

Totals and counts are shown on the report. There is obviously a fairly significant data integrity problem here!

👻 Population statistics - Mozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	<u>B</u> ookmarks <u>T</u> ools	Help			
A Population statistics		+		~	
♦ 127.0.0.1/	RunPopStats.php		🟫 🔻 🔁 🚼 🕇 Goog	gle 🔎 🏫	
Column - Cost				<u>^</u>	
This report - C:/server:	2go/htdocs/Work/	Statistics.htm			
<u>Download</u>					
Rows processed - 1					
Totals				-902,627.87	
Count	Count 167				
Minimum				-9,994.00	
Maximum				-31.00	
Average				-5,404.96	
Standard Deviation				2,968.08	
Debit totals				0.00	
Debit Count				0	
Credit totals				-902,627.87	
Credit Count				167 🝵	
Count of Zeros				0	
Net totals				-902,627.87	
Counts				167	
Id Ta	able	Database	Auditor	Folder	
audit1 fixedasse	t test		Im N Auditor	Work	
<		III			

Task 8 – Prepare a schedule of the ten highest valued assets.

Often it is desirable to test the largest values on a 100% basis. The system can easily obtain a specified number of the largest (or smallest) values. The menu item is "Functions | numeric functions | extreme values".

Population statistics	- Mozilla Firefox				
<u>File E</u> dit ⊻iew Hi <u>s</u> tory	<u>B</u> ookmarks <u>T</u> ools <u>H</u> el	lp			
A Population statistics	+				~
< → 127.0.0.1	/RunPopStats.php			r 🕶 🛃 🕶 Google	<i>></i> 🔒
Audits	Functions	Processes		Web CAAT	7 ^
Table Selection	Commonly Used				-
	Date Functions		stics		
Report run on Saturda	Numeric Functions		Benford's	s Law	
Auditor: Im N Audito:	Other Functions		Cross Tal	bulations	
Table analyzed - fixed	asset		Data Stra	atification	
Comments - Obtain b	asic population measur	res	Extreme	Values	
Criteria specified - co	st < 0		Histogram		
SOL used - select sur	m('Cost') as Total .cou	nt('Cost') as	Numeric Sequence Gaps		
max('Cost') as Maxin	num, avg('Cost') as Av	verage, std(`(Random Numbers		as t
where cost < 0			Restricted	d Summarization	
user- audit1			Round N	umbers	
Database - test			Statistics	Brr T.d	
Host - localhost			Summaria	Dy IQ zation	
Column - Cost			Summarb	Lauon	
This report - C:/server	r2go/htdocs/Work/Stat	istics.htm			
Download					
Rows processed - 1					
Totals					-902,627.87
http://127.0.0.1/ShowTop.ph	P				167

The numeric column to test is "cost" which is selected from the drop-down list.

🕹 Extreme Values - N	lozilla Firefox						×
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ry <u>B</u> ookmarks	<u>T</u> ools <u>H</u> e	lp				
A Extreme Values		+					~
< → 127.0.0	.1/ShowTop.php			☆ - C	🛛 🚼 👻 Googl	e 🔎	
Audits	Functions		Processes	Web	CAAT		^
Table Selection							
		Ide	ntify Extreme va	dues			
Table	fixedasset						
Amount Column	Acquisition 💌						
Number of items	Acquisition AD						- =
Largest	Bookval						
Smallest	Depr						
W/P Doc	Life RepCost	ues.htm					
All column names	Replace Salvage						
(for reference)	TagNo						_
Example criteria	Show example	s by clicl	king the drop down	button to th	e right		_
Where (criteria)							
Purpose/Comments	identify largest	'smallest	values for testing (or tie-in			
numeric col	lumn to be u	sed for	the test				1
Help							
1104P							
							4
Process							~
<	-	1	Ш				>

The number of items to list is 10, and they should be the largest values.

🕹 Extreme Values - A	Mozilla Firefox	
<u>Eile E</u> dit <u>V</u> iew Hi <u>s</u> to	ory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp	
A Extreme Values	+	~
127.0.0	0.1/ShowTop.php 🏫 🕆 🕑 🚼 🕇 Google	
Audits	Functions Processes Web CAAT	^
Table Selection		
	Identify Extreme values	
Table	fixedasset	
Amount Column	Cost 👻	
Number of items		=
Largest	• Top	
Smallest	O Bottom	
W/P Doc	Work/Large∨alues.htm	
All column names (for reference)	Accode 💌	
Example criteria	Show examples by clicking the drop down button to the right	
Where (criteria)		
Purpose/Comments	identify largest/smallest values for testing or tie-in	
	•	
Halm		
Treip		
		.::
Process		~
<		>

Upon clicking the "Process" button the system prepares a report of the results.

🕹 Extreme Values - Mo	zilla Firefox			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks <u>T</u> ools	Help		
A Extreme Values		+		.
♦ 127.0.0.1	l/RunTop.php		☆ - C	Google 🔎 🏫
Audits	Functions	Processes	Web CAAT	^
Table Selection				
		Extremes report		
Report run on Saturd:	ay 31st of Decembe	r 2011 11:17:09 A	м	
Auditor: Im N Audito	r			
Table analyzed - fixed	lasset			=
Comments - identify 1	argest/smallest value	es for testing or tie-	in	
Criteria specified -				
SQL used - select `C	ost`, t.* from fixeda	sset as t order by `	Cost` desc limit 10	
user- audit1				
Database - test				
Host - localhost				
Column - Cost				
This report - C:/serve	r2go/htdocs/Work/I	LargeValues.htm		
Download				
Rows processed - 10)			
Extremes to return - 1	10			
Type of selection - lar	gest			R
Cost TagNo Co	ost AD Re	place Bookval Sa	lvage Depr Life	Location AcqDate 🧹
<				> .:

The ten asset records with the largest cost values are listed in descending order. This information can be copied and pasted into an Excel workbook for use in performing detailed tests.

🕙 Extr	reme	. Valı	ies -	Mozill	a F	irefox									X
<u>File E</u>	dit	<u>V</u> iew	His	tory <u>E</u>	<u>3</u> ook	marks	Too	ols <u>H</u> elp							
🌺 Extr	reme '	Values						+							~
(PMA	127.0	.0.1/Ru	nTop	.php				7	7 - C	8 - 0	Google	\sim	♠
Colu	mn -	Cos	t												^
This 1	This report - C:/server2go/htdocs/Work/LargeValues.htm														
Down	<u>nloa</u>	<u>d</u>													
Rows	s pro	cess	ed -	10											
Extre	emes	to re	eturn	- 10											
Туре	ofs	electi	on -	larges	t										
Cost		TagN	10	Cost		AD		Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	
9997	.00	2523	3.00	9997.	00	4019.	16	2999.00	5977.84	1999.00	803.83	4.00	ABC	2009-08	-0
9995	5.00	3002	2.00	9995.	00	4065.	58	2998.00	5929.42	1999.00	813.12	12.00	ABC	2010-05	-2
9994	.99	2374	4.00	9994.	99	4070.	43	2998.00	5924.56	1999.00	814.09	10.00	ABC	2011-07	-2
9994	.00	1274	4.00	9994.	00	4052.	28	2998.00	5941.72	1999.00	810.46	9.00	ABC	2010-09	-1
9991	.00	3245	5.00	9991.	00	4055.	28	2997.00	5935.72	1998.00	811.06	7.00	FGT	2011-05	-0
9990	0.00	2240).00	9990.	00	4019.	03	2997.00	5970.97	1998.00	803.81	7.00	AB	2010-12	-0
9988	3.00	4789	9.00	9988.	00	4046.	36	2996.00	5941.64	1998.00	809.27	6.00	ABC	2009-11	-2
9977	2.00	4252	2.00	9977.	00	4014.	10	2993.00	5962.90	1995.00	802.82	4.00	ABC	2011-06	-0
9975	5.00	3782	2.00	9975.	00	4015.	73	2992.00	5959.27	1995.00	803.15	12.00	ABC	2010-09	-0
9970	00.00	2704	4.00	9970.	00	7976.	00	2991.00	1994.00	1994.00	902.40	8.00	ABC	2011-02	-2
	Id			Tabl	le			Database Auditor Folde			older				
audit	1	f	fixed	asset			tes	t		Im N Au	ditor		Work		
<						Ш									>

Task 9-test the application of Benford's Law.

The application of Benford's Law is common in fraud investigations. Because the test is so simple to perform, it is interesting to see if the fixed asset records of cost conform with that expected using Benford's law.

The menu item is "Functions | Numeric functions | Benford's Law".

🕲 Extreme Values - Mo	ozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	/ <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp				
🌺 Extreme Values	+					~
< → 127.0.0.1	l/RunTop.php		1	r + C 🚼 -	Google	>
Audits	Functions	Processes		Web CAAT		^
Table Selection	Commonly Used					
	Date Functions		ort			
Report run on Saturd	Numeric Functions		Benford's	s Law		
Auditor: Im N Audito	Other Functions		Cross Ta	bulations 🖤		
Table analyzed - fixed	lasset		Data Stra	atification		
Comments - identify 1	argest/smallest values f	or testing or	Extreme Values			
Criteria checified	algeonomateor valgeo r	01 10511118 01	Histograr	n		
Contenta specifica -			Numeric Sequence Gaps			
SQL used - select C	ost, t. " from fixedasse	et as t order t	Random Numbers			
user- audit1			Restricte	d Summarizati	on	
Database - test			Round Numbers			
Host - localhost			Statistics			
Column - Cost			Statistics	By Id		
This report - C:/serve	r2go/htdocs/Work/Lar,	geValues.htm	Summari	zation		
Download						
Rows processed - 10)					
Extremes to return - 1	10					
Type of selection - lar	gest					
Cost TagNo Co	ost AD Repla	ce Bookval	Salvage	Depr Life	Location	AcaDate
http://127.0.0.1/ShowBenfor	rd.php					>

🕙 Test Benford's Law	- Mozilla Firef	рх			
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ry <u>B</u> ookmarks (<u>T</u> ools <u>H</u> e	lp		
🏡 Test Benford's Law		+			~
♦ 127.0.0	.1/ShowBenford.ph	p	2	r 🕶 🕑 🚼 🕶 Google	<i>></i>
Audits	Functions		Processes	Web CAAT	<u>^</u>
Table Selection					
		Asse	ss using Benford's La	aw	
Table	fixedasset				
Column	Acquisition 💌				
Benford Test type	Acquisition	*			3
W/P Doc	Bookval	ıtm			
All column names (for reference)	Cost Depr Life RepCost				
Example criteria	Replace	s by clic	king the drop down butto	on to the right	
Where (criteria)	Salvage TagNo				
Purpose/Comments	Test transactio	n amoun	ts according to Benford	's Law	
Help	lumn to be u	3ed for	the test		.::
Process					
		Fo	rm instructions		
For some forms, the	mouse over w	ill provid	le a description or purp	ose of the data elemen	t input form 🛛 💌

The numeric column to be analyzed is "cost" which is selected from the drop down list.

🕙 Test Benford's Law	w - Mozilla Firefox							
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tor	ory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp							
🌺 Test Benford's Law	+	~						
♦ ♦ 127.0.0.	0.1/ShowBenford.php 🟫 👻 🕄 🗸 Google							
Audits	Functions Processes Web CAAT	<u>^</u>						
Table Selection								
	Assess using Benford's Law							
Table	fixedasset							
Column	Cost 💌							
Benford Test type	First digit 💌	====						
W/P Doc	First digit							
All column names (for reference)	First three digits Last digit Last two digits							
Example criteria	Second digit clicking the drop down button to the right							
Where (criteria)								
Purpose/Comments	Test transaction amounts according to Benford's Law							
Help		:						
Process								
	Form instructions							
For some forms, the	e mouse over will provide a description or purpose of the data element inp	ut form 🔽						

The test to be performed will be for the first digit.

🕙 Test Benford's Law	- Mozilla Firefox			
<u>File E</u> dit <u>V</u> iew Histor	ry <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp		
🌺 Test Benford's Law	+			~
🔶 کې 🔝 127.0.0	.1/ShowBenford.php	4	7 ▼ 🕑 🔧 ▼ Google	<i>></i>
Audits	Functions	Processes	Web CAAT	<u>^</u>
Table Selection				
	Asse	ss using Benford's La	aw	
Table	fixedasset			
Column	Cost 💌			
Benford Test type	First digit 🛛 👻			=
W/P Doc	Work/Benford.htm			
All column names (for reference)	Accode 💌			
Example criteria	Show examples by clic	king the drop down butto	on to the right	
Where (criteria)				
Purpose/Comments	Test transaction amount	ts according to Benford	's Law	
Help				.::
Process	2			
	Fo	rm instructions		
For some forms, the	mouse over will provid	le a description or purp	ose of the data element i	nput form 🔽

Once all the information has been entered, click the "Process" button.

The report and parameters used are displayed.

🕙 Benford's Law - M	ozilla Firefox						
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> t	ory <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp					
A Benford's Law	+			~			
♦ 127.0.	0.1/RunBenford.php		☆ - C 🚼 - Google	<i>></i> 🔒			
Audits	Functions	Processes	Web CAAT]			
Table Selection							
Benford's Law Report							
Report run on Satu	rday 31st of December 2	011 11:23:32 AN	ſ				
Auditor: Im N Aud	itor						
Table analyzed - fix	edasset			=			
Comments - Work/	Benford.htm						
Criteria specified -							
SQL used - select	`Cost` from `fixedasset` a	ıs t					
user- audit1							
Database - test							
Host - localhost							
Column - `Cost`							
This report - C:/ser	ver2go/htdocs/Work/Ben	ford.htm					
Download							
Benford digit test p	erformed - F1						
Digit	Theoretical		Observed				
1	,195	461					
2 6	99	427		~			
<		Ш		> .:			

The cost information does not conform with that expected using Benford's law. This can be confirmed using the statistical information presented. To determine, at a 95% confidence level, that the data does conform, the chi squared value would need to be 15 or less. However, the Chi Square value obtained is 716, far too high. From a visual review of the counts, it can be seen that the cost values are fairly uniformly distributed.

E	Benford's La	aw - Mozilla Firefox					
E	jile <u>E</u> dit <u>V</u> iew	, Hi <u>s</u> tory <u>B</u> ookmarks	Tools Help				
4	ABenford's Law		+		Ŧ		
(← → 🔔	127.0.0.1/RunBenford.ph	ip	☆ - C 🚼 - Goog	le 🔎 🏦		
	This report -	C:/server2go/htdocs/	Work/Benford.htm		^		
	Download						
	Benford digit	test performed - F1					
	Digit	The	eoretical	Observed			
	1	1,195		461			
	2	699		427			
	3	496		452			
	4	385		460			
	5	314		426			
	6	266		407			
	7	230		447			
	8	203		450			
	9	182		440			
	A11	3,970		3,970			
	Chisq			716.232370562			
	DF			8			
	Critical value	at 95%		15.5073130559			
	Id	Table	Database	Auditor	Folder		
	audit1	fixedasset	test	Im N Auditor Work			
<	1						

Task 10-Select a random sample of 20 asset records to test.

Often audits will require the selection of a random sample for audit testing. Random samples can be obtained fairly easily. The random number generator used is the Mersenne twister which has passed the "Die Hard" test of the National Institute of Standards (NIST).

Menu item is "Functions | Other functions | Select random sample".

🕹 About WebCAAT - M	lozilla Firefox						×
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp					
About WebCAAT	+						~
♦ ♦ 127.0.0.3	1/About.php		☆ - C	🚼 🗝 Google	P	1	
Audits	Functions	Processes		Web CAAT			^
Table Selection	Commonly Used						
	Date Functions	Date Functions					
Logged in as	Logged in as Numeric Functions						
Database	atabase Other Functions			Invoices			
Host name			Linear Regression				
Table		fixed	Run SQL	, Script			
			Same, sa	me, different			Ξ
	Vers	ion 3.01	Search fo	r key words			
License (LGPL3)		GPL\/	Select Ra	ndom Sample	Ψ 		
	Free	Free Software		Session variables		_	
	Info	rmation	Spike ana	alysis		_	
	This version relea	used on 2011	Single SQ	L Statement			
Web CAAT User G	łuide						
Audit Program detail	<u>ls</u>						
Five minute system	a overview						
Install the software							
	Cont	act info					~
http://127.0.0.1/ShowRand.	php					>	:

The number of samples to be selected is specified (in this example, 20)

🕹 Select Random Sam	iples - Mozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tor	ry <u>B</u> ookmarks <u>T</u> ools <u>H</u> el	Þ				
A Select Random Samples	+			~		
♦ 127.0.0.	1/ShowRand.php	☆ - C	Soogle 🗧			
Audits	Functions	Processes	Web CAAT	<u></u>		
Table Selection						
	Sel	ect Random Samples				
Table	fixedasset					
Number of samples	20	Ι		=		
W/P Doc	20					
All column names						
(for reference)						
Example criteria	Show examples by clicking the drop down button to the right					
Where (criteria)						
Purpose/Comments	Select a random sample	e for attribute testing				
	-					
Help						
Process						
	-	·		×		

The "Process" button is clicked and the report is prepared.

🕙 Random Sampling -	Mozilla Firefox					
<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory	y <u>B</u> ookmarks <u>T</u> ools <u>H</u> e	lp				
🔉 🕅 Random Sampling	+			~		
♦ 127.0.0.3	1/RunRand.php	☆ - C	Soogle 🗧			
Audits	Functions	Processes	Web CAAT			
Table Selection						
	Sample	e selection				
Report run on Saturd	ay 31st of December 2	011 11:44:45 AM				
Auditor: Im N Audito	r					
Table analyzed - fixed	lasset					
Comments - Select a	random sample for attr	ibute testing				
Criteria specified -						
SQL used - select p. ²	* from fixedasset p					
user- audit1						
Database - test						
Host - localhost						
Column - N/A						
This report - C:/serve	r2go/htdocs/Work/Ran	ıdSamp.htm				
Download						
Rows processed - 40)64					
Sample size - 20						
<	III			>		

🕙 Randon	🕹 Random Sampling - Mozilla Firefox 📃 🗖 🔀									
<u>F</u> ile <u>E</u> dit	⊻iew Hi <u>s</u>	tory <u>B</u> ook	marks <u>T</u> oo	ols <u>H</u> elp						
🎎 Random	Sampling			+						~
(+)>	(<>> 🔝 127.0.0.1/RunRand.php 🔶 - C 🚼 - Google 🔎 🏫									
Sample size - 20								^		
TagNo	Cost	AD	Replace	Bookval	Salvage	Depr	Life	Location	AcqDate	=
5159.00	6031.00	2469.04	1809.00	3561.96	1206.00	493.81	4.00	ABC	2011-05-2	2
2832.00	6601.00	2693.37	1980.00	3907.63	1320.00	538.67	4.00	ABC	2009-05-1	ľ
2352.00	659.00	267.55	198.00	391.45	132.00	53.51	12.00	ABC	2009-08-1	l
2626.00	7695.00	3147.18	2308.00	4547.82	1539.00	629.44	3.00	ABC	2010-08-0	Ĵ
4232.00	4544.00	1835.21	1363.00	2708.79	909.00	367.04	12.00	ABC	2010-05-2	2
3643.00	3882.00	1563.01	1165.00	2318.99	776.00	312.60	6.00	ABC	2009-05-0)
1905.00	7431.00	2997.14	2229.00	4433.86	1486.00	599.43	7.00	ABC	2010-10-0	Ĵ
4593.00	9037.00	3656.31	2711.00	5380.69	1807.00	731.26	3.00	ABC	2009-04-2	2
3765.00	6789.00	2736.86	2037.00	4052.14	1358.00	547.37	8.00	ABC	2009-07-2	2 =
4372.00	5508.00	2211.13	1652.00	3296.87	1102.00	442.23	12.00	ABC	2011-06-1	Ī
1433.00	2661.00	1082.67	798.00	1578.33	532.00	216.53	6.00	ABC	2009-07-1	Ī
2741.00	5472.00	2217.85	1642.00	3254.15	1094.00	443.57	4.00	ABC	2010-12-3	3
2899.00	86.00	34.88	26.00	51.12	17.00	6.98	7.00	ABC	2009-03-2	2
4259.00	2985.00	1212.75	896.00	1772.25	597.00	242.55	12.00	ABC	2011-07-2	2
2838.00	3556.00	1444.65	1067.00	2111.35	711.00	288.93	4.00	ABC	2009-11-0)
<									>	Ĭ,

The twenty random samples requested are provided. (Not all samples are shown).