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bsf_demo00.rex

java.util.StringTokenizer

The string tokenizer class allows an application to break a string into tokens.

The StringTokenizer methods do not distinguish among identifiers, numbers, and quoted strings, nor do they recognize and skip comments.

The *set* of delimiters (the characters that separate tokens) may be specified either at creation time or on a per-token basis.

Using this class we will break a string into multiple "tokens", similar to "parse", but with some added features.

bsf_demo01.rex

java.text.DecimalFormat

DecimalFormat is a concrete subclass of NumberFormat that formats decimal numbers.

It has a variety of features designed to make it possible to parse and format numbers in any locale, including support for Western, Arabic, and Indic digits.

It also supports different kinds of numbers, including integers (123), fixed-point numbers (123.4), scientific notation (1.23E4), percentages (12%), and currency amounts (\$123). All of these can be localized.

This class will allow us, in very little code, to turn a number such as 10193390.55 into 10,193,390.55 or apply our user defined patterns (masks) to a number. 10.50 / -10.50 \rightarrow \$10.50 DB / \$10.50 CR

bsf_demo02.rex

javax.swing.JFileChooser

JFileChooser provides a simple mechanism for the user to choose a file.

As part of a GUI application, a developer may wish to provide the user with a FileOpenDialog. JFileChooser provides such a dialog that appears almost exactly the same under Linux and Windows.

Windows

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🗋 bsf_demo05.rex	🗋 dummyfile.txt	
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Linux

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bsf00_fod.rex	🗋 bsf06_pmp.rex	🗋 bsf_demo03.re
🗋 bsf00_fod.rex~	bsf08_zip.rex	🗋 bsf_demo04.re
🗋 bsf00fod.rex	🗋 bsf10_querydir.rex	🗋 bsf_demo05.re
🗋 bsf00fod.rex~	🗋 bsf_demo00.rex	🗋 bsf_demo06.re
bsf02_fsd.rex	🗋 bsf_demo01.rex	🗋 bsf_demo07.re
bsf04_fodee.rex	bsf_demo02.rex	🗋 bsf_demo08.re
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bsf_demo02a.rex

javax.swing.JFileChooser

JFileChooser also has an attribute that will allow multiple files to be chosen.

🕯 Java Swing Mult	iFile OPEN Dialog	X
Look in: 📑 RFPT		• 6 6 6 8 5
 bsf_demo00.rex bsf_demo01.rex bsf_demo02.rex bsf_demo02a.rex bsf_demo03.rex bsf_demo03.rex 	Image: system state	dummyfile.txt NetRexxR.jar oorexx.docs-3.0.0-(rexx.ico RgfFilter.class Shortcut to demom
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File <u>Name:</u> Files of <u>Type</u> : All F	mo02.rex" "bsf_demo02a.rex" "bsf_d	emo03.rex" "bsf_demo04.rex"

bsf_demo03.rex

javax.swing.JFileChooser

javax.swing.JFrame & javax.swing.JPanel

JFileChooser also provides a simple mechanism to allow the user to select a filename that does not currently exist. This is done with a FileSaveDialog. In addition to JFileChooser, this demonstration will incorporate a JFrame to display our result in, plus a JPanel with a "Close" button and a "listener"

🚔 Java Swing File SAVE Dialog		🚔 Results of File SAVE Dialog
Save In: 📑 RFPT		Fully Qualified File = C:\shared\BSF_Trials\RFPT\RgfFilter.class Just File Name = RgfFilter.class
bsf_demo00.rex bsf_demo06.rex bsf_demo01.rex bsf_demo07.rex bsf_demo02.rex bsf_demo08.rex bsf_demo03.rex demomenu.rex bsf_demo04.rex dummyfile.cmd	NetRexxR.jar	Close
bsf_demo05.rex dummyfile.txt Image: Image: File Name: Image: Files of Type: All Files	Save Cancel	

bsf_demo04.rex

javax.swing.JFileChooser

This demonstration is just like bsf_demo02.rex with the exception that it implements a hidden "Easter Egg" that Rony included with January 22, 2006 release of BSF4Rexx (and all 614 releases since ⁽²⁾).

Can you see the difference?

🗋 bsf_demo00.rex	🗋 bsf_demo06.rex	NetRexxR.jar
🗋 bsf_demo01.rex	🗋 bsf_demo07.rex	oorexx-docs-3.0.0-
🗋 bsf_demo02.rex	bsf_demo08.rex	RgfFilter.class
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🗋 bsf_demo04.rex	🗋 dummyfile.cmd	text.txt
🗋 bsf_demo05.rex	🗋 dummyfile.txt	
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👙 Java Swing	File OPEN Dialog			
Look <u>i</u> n:	REPT	-	a 🔂 🗖	
bsf_demol				
File <u>N</u> ame: Files of <u>T</u> ype:	^.rex;*.txt			
			Open	Cancel

bsf_demo05.rex

A "Poor Man's" Progress Indicator

Using a JFrame & JPanel, this demonstration shows how to modify the contents of the "textArea". A procedure will be started and at every 10th interval, the textarea will be updated by changing the percentage and the ">>-<<" will be reversed to "<<->>"

🚔 Poor Man'	s Progress E	Bar	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	-<<<<	<< 10%	
	Run	Close	

bsf_demo06.rex

java.util.zip.ZipFile

This java class provides a means to examine the contents of either a .zip file or a .jar file. May be useful to verify .zip file contents within an automated

process.

👙 Contents of NetRexxR. jar	🔟 🔮 Contents of oorexx-docs-3.0.0-r1.zip 📃 🗖 🔀
20 Files Found	8 Files Found
META-INF/	CPLv1.0.txt
META-INF/MANIFEST.MF	
netrexx/lang/BadArgumentException.class	oodialog.pdf
netrexx/lang/BadColumnException.class	README
netrexx/lang/BadNumericException.class	rexxpg.pdf
netrexx/lang/DivideException.class	
netrexx/lang/ExponentOverflowException.class	rexxref.pdf
netrexx/lang/license.txt	rxftp.pdf
netrexx/lang/NoOtherwiseException.class	rxmath.pdf
netrexx/lang/NotCharacterException.class	rxsock.pdf
netrexx/lang/NotLogicException.class	raboon par
netrexx/lang/Rexx.class	Close
netrexx/lang/RexxIO.class	
netrexx/lang/RexxNode.class	
netrexx/lang/RexxOperators.class	
netrexx/lang/RexxParse.class	
netrexx/lang/RexxSet.class	
netrexx/lang/RexxTrace.class	
netrexx/lang/RexxUtil.class	
netrexx/lang/RexxWords.class	

bsf_demo07.rex

java.io.File

In this demonstration we will use our JFileChooser again, but limit the selection to "folders" only. Once a folder is selected, we will use a combination of SysFileTree & java.io.File to count all sub-folders, all files, and query the total disk size required. This performs a similar as "right clicking" on a folder under Windows and selecting "properties".

🜲 Results of Query Directory			
files	=	156	
folders	=	33	
tot_size	=	2,290,625	
elasped time	=	2.563000	
		Close	

bsf_demo08.rex

In all previous demonstrations, the "isEditable" property of our JFrame has been set to .false. In this demonstration, this is set to .true. We can now edit the content of our textarea. We have full copy/paste capabilities plus we have a button to "SelectAll".

Using what we've seen before, a developer could easily:

1) Use the FileOpenDialog to allow the user to select a file.

2) Use a JFrame to load all or part of the content of the file.

3) Make the textarea of the JFrame editable.

4) Use the FileSaveDialog to allow the user to select a "SaveAs" name. all done with a GUI that looks the same on Windows & Linux.

🚔 An Editable Window	
Welcome To The 2006 Internation RexxLA S	ymposium
SelectAll Go Ex	it

☺ Blatant spelling error left on purpose – we need something to edit. ☺

demomenu.rex

A JFrame & JPanel is used in this script along with buttons for each of the demonstrations. A brief description of each demonstration is in the textarea. The width & height of the JFrame with its JPanels is calculated so that the JFrame can be placed automatically in the lower left corner of the screen.

불 2006						
Option	0 Option	1 Option	2 Option	n 2a Optio	n 3 Option 4	1
OptionO Option1 Option2 Option3 Option3 Option4 Option5 Option6 Option7 Option8	String Tokenizati NumberFormat FileOpenDialog MultiFileOpenD FileOpenDialog FileOpenDialog Poor Man Progr Show Contents o Query Folder Inf An Editable Fran	ialog With Easter Egg ess Indicator of .zip or .jar ormation				
	Option 5	Option 6	Option 7	Option 8	Exit	