

# REXX Summary

Page 1 of 9  
15 May 1996

## Functions (use this lines only on z/OS)

<i>bit</i> = <b>ABBREV</b> ( <i>information</i> , <i>info</i> [, <i>minlength</i> ])	Abbreviation match
<i>num</i> = <b>ABS</b> ( <i>number</i> )	Absolute value
<i>str</i> = <b>ADDRESS</b> ()	Query current environment
<i>num</i> = <b>ARG</b> ()	Number of arguments
<i>val</i> = <b>ARG</b> ( <i>n</i> )	Nth argument
<i>bit</i> = <b>ARG</b> ( <i>n</i> , 'Exists')	Does nth argument exist?
<i>bit</i> = <b>ARG</b> ( <i>n</i> , 'Omitted')	Was nth argument omitted?
<b>BEEP</b> ( <i>frequency</i> , <i>duration</i> )	ooREXX
<i>str</i> = <b>BITAND</b> ( <i>str1</i> [[, <i>str2</i> ][, <i>pad</i> ]])	Logically and strings
<i>str</i> = <b>BITOR</b> ( <i>str1</i> [[, <i>str2</i> ][, <i>pad</i> ]])	Logically or strings
<i>str</i> = <b>BITXOR</b> ( <i>str1</i> [[, <i>str2</i> ][, <i>pad</i> ]])	Logically xor strings
<i>str</i> = <b>B2X</b> ( <i>str</i> )	Binary to hex (0F=00001111)
<i>str</i> = <b>CENTER</b> ( <i>str</i> , <i>length</i> [[, <i>pad</i> ]])	Center string
<i>str</i> = <b>CENTRE</b> ( <i>str</i> , <i>length</i> [[, <i>pad</i> ]])	identical to CENTER
<i>str</i> = <b>CHANGESTR</b> ( <i>needle</i> , <i>haystack</i> , <i>newneedle</i> [[, <i>count</i> ]])	ooREXX
<i>str</i> = <b>CHARIN</b> ([[ <i>name</i> ][, <i>start</i> ][, <i>length</i> ]])	Read chars from input stream
<i>num</i> = <b>CHAROUT</b> ([[ <i>name</i> ][, <i>start</i> ][, <i>length</i> ]])	Write chars to output stream
<i>bit</i> = <b>CHARS</b> ([[ <i>name</i> ]])	Any chars in input stream?
<i>cix</i> = <b>COMPARE</b> ( <i>str1</i> , <i>str2</i> [[, <i>pad</i> ]])	0 or first mismatch
<i>str</i> = <b>CONDITION</b> ('Condition')	Name of trapped condition
<i>str</i> = <b>CONDITION</b> (['Instruction'])	CALL or SIGNAL
<i>str</i> = <b>CONDITION</b> ('Description')	Description or null
<i>str</i> = <b>CONDITION</b> ('Status')	ON, OFF, or DELAY
<i>str</i> = <b>COPIES</b> ( <i>str</i> , <i>n</i> )	<i>n</i> copies of entire string
<i>num</i> = <b>COUNTSTR</b> ( <i>needle</i> , <i>haystack</i> )	ooREXX
<i>num</i> = <b>C2D</b> ( <i>str</i> [[, <i>n</i> ]])	Character to decimal
<i>str</i> = <b>C2X</b> ( <i>str</i> )	Character to hexadecimal
<i>str</i> = <b>DATATYPE</b> ( <i>str</i> )	NUM or CHAR
<i>bit</i> = <b>DATATYPE</b> ( <i>str</i> , <i>type</i> )	Matches type? (see page 3)
<i>str</i> = <b>DATE</b> ()	Current date (dd Mmm yyyy)
<i>str</i> = <b>DATE</b> ( <i>dopt</i> )	Date info (see page 3)
<i>str</i> = <b>DELSTR</b> ( <i>str</i> , <i>n</i> )	Delete <i>cix</i> from <i>n</i> to end
<i>str</i> = <b>DELSTR</b> ( <i>str</i> , <i>n</i> , <i>length</i> )	Delete <i>cix</i> <i>n</i> for <i>length</i>
<i>str</i> = <b>DELWORD</b> ( <i>str</i> , <i>n</i> )	Delete <i>wix</i> from <i>n</i> to end
<i>str</i> = <b>DELWORD</b> ( <i>str</i> , <i>n</i> , <i>length</i> )	Delete <i>wix</i> <i>n</i> for <i>length</i>
<i>num</i> = <b>DIGITS</b> ()	ooREXX: 9 bei 32-bit
<i>str</i> = <b>D2C</b> ( <i>wholenum</i> [[, <i>n</i> ]])	Decimal to character
<i>str</i> = <b>D2X</b> ( <i>wholenum</i> [[, <i>n</i> ]])	Decimal to hexadecimal
<i>str</i> = <b>ERRORTEXT</b> ( <i>n</i> )	Error message text (0-99)
<i>str</i> = <b>FILESPEC</b> ("drive", <i>thisfile</i> )	ooREXX drive-part of file
<i>str</i> = <b>FILESPEC</b> ("path", <i>thisfile</i> )	ooREXX path-part of file
<i>str</i> = <b>FILESPEC</b> ("location", <i>thisfile</i> )	ooREXX drve+path of file
<i>str</i> = <b>FILESPEC</b> ("name", <i>thisfile</i> )	ooREXX filename of file
<i>str</i> = <b>FILESPEC</b> ("extension", <i>thisfile</i> )	ooREXX extension of file
<i>str</i> = <b>FORM</b> ()	Query NUMERIC FORM
<i>str</i> = <b>FORMAT</b> ( <i>num</i> [[, <i>before</i> ][, <i>after</i> ]])	Around decimal place
<i>str</i> = <b>FUZZ</b> ()	Query NUMERIC FUZZ
<del><i>cix</i> = <b>INDEX</b>(<i>haystack</i>,<i>needle</i>[[,<i>start</i>]])</del>	<del>Default start=1; prefer POS</del>
<i>str</i> = <b>INSERT</b> ( <i>new</i> , <i>str</i> [[, <i>n</i> ][, <i>length</i> ][, <i>pad</i> ]])	Insert after <i>cix</i> <i>n</i>
<del><i>str</i> = <b>JUSTIFY</b>(<i>str</i>,<i>length</i>[[,<i>pad</i>]])</del>	<del>Right left justify</del>
<i>cix</i> = <b>LASTPOS</b> ( <i>needle</i> , <i>haystack</i> [[, <i>start</i> ]])	POS from right to left
<i>str</i> = <b>LEFT</b> ( <i>str</i> , <i>length</i> [[, <i>pad</i> ]])	Take chars from left
<i>num</i> = <b>LENGTH</b> ( <i>str</i> )	Shape (in chars)
<i>str</i> = <b>LINEIN</b> ([[ <i>name</i> ][, <i>line</i> ][, <i>count</i> ]])	Read line from input stream
<i>bit</i> = <b>LINEOUT</b> ([[ <i>name</i> ][, <i>string</i> ][, <i>line</i> ]])	Write line to output stream
<i>num</i> = <b>LINES</b> ([[ <i>name</i> ]])	Input stream lines remaining
<i>str</i> = <b>LOWER</b> ( <i>str</i> [[, <i>n</i> ][, <i>length</i> ]])	ooREXX -translate lower case
<i>num</i> = <b>MAX</b> ( <i>num</i> [[, <i>num</i> ...]])	Maximum (up to 10 numbers)
<i>num</i> = <b>MIN</b> ( <i>num</i> [[, <i>num</i> ...]])	Minimum (up to 10 numbers)

# REXX Summary

Page 2 of 9  
15 May 1996

<code>str = OVERLAY (new, str[, [n] [, [length] [, pad]])</code>	Overlay after cix n 0=not found
<code>cix = POS (needle, haystack[, startcix])</code>	0=not found
<code>str = QUALIFY (filename)</code>	ooREXX - expands file name
<code>num = QUEUED ()</code>	Lines in stack
<code>num = RANDOM ()</code>	Random whole number 0-999
<code>num = RANDOM ( [min] [, [max] [, seed]])</code>	Random whole number in range
<code>str = REVERSE (str)</code>	Rotate string
<code>str = RIGHT (str, length[, pad])</code>	Take chars from right
<code>bit = RXFUNCADD (name, module[, procedure])</code>	ooREXX
<code>bit = RXFUNCDROP (name)</code>	ooREXX
<code>bit = RXFUNCQUERY (name)</code>	ooREXX
<code>bit = RXQUEUE ( ...)</code>	ooREXX see details in ooREXX
<code>num = SIGN (num)</code>	Signum: -1, 0, or 1
<code>num = SOURCELINE ()</code>	Lines in source file
<code>str = SOURCELINE (n)</code>	Nth line from REXX file
<code>str = SPACE (str[, [n] [, pad]])</code>	Normalize spaces; def n=1
<del><code>hex = STORAGE ()</code></del>	<del>Virtual storage size in hex</del>
<del><code>hex = STORAGE (address, length)</code></del>	<del>Read storage</del>
<del><code>hex = STORAGE (address, length, data)</code></del>	<del>Write storage</del>
<code>str = STREAM (name[, 'State'])</code>	State of stream
<code>str = STREAM (name, 'Description')</code>	State of stream, more detail
<code>str = STREAM (name, 'Command', cmd)</code>	Apply command to stream
<code>str = STRIP (str[, [option] [, char]])</code>	L, T, or default=Both
<code>str = SUBSTR (str, firstcix[, [length] [, pad]])</code>	Substring
<code>str = SUBWORD (str, firstwix[, length])</code>	Def length=rest of string
<code>str = SYMBOL (name)</code>	State: BAD, VAR, or LIT
<code>str = TIME ()</code>	Current time (hh:mm:ss)
<code>str = TIME (topt)</code>	Time info (see page 3)
<code>str = TRACE ()</code>	Query trace actions
<code>str = TRACE (option)</code>	Alter trace, return prev
<code>str = TRANSLATE (str[, [new] [, [old] [, pad]])</code>	Map old to new
<code>num = TRUNC (num[, n])</code>	Truncate to n decimals
<code>str = UPPER (str[, [n] [, [length]])</code>	ooREXX - translate uppercase
<code>str = USERID ()</code>	Query logon userid
<code>val = VALUE (name)</code>	Query value of name
<code>val = VALUE (name, val)</code>	Change value of name
<code>bit = VAR (name)</code>	ooREXX-'1' if name is variable
<code>cix = VERIFY (str, okchars[, ['Nomatch'], start])</code>	First bad cix; 0=all ok
<code>cix = VERIFY (str, okchars, 'Match'[, start])</code>	First good cix; 0=none
<code>str = WORD (str, wix)</code>	Extract nth word
<code>cix = WORDINDEX (str, wix)</code>	Char pos of nth word
<code>num = WORDLENGTH (str, wix)</code>	Chars in nth word
<code>wix = WORDPOS (needle, haystack[, start])</code>	Find word(s)
<code>num = WORDS (str)</code>	Count number of words
<code>str = XRANGE ([start] [, end])</code>	One byte codes between
<code>str = X2B (str)</code>	Hexadecimal to binary
<code>str = X2C (hex)</code>	Hexadecimal to character
<code>num = X2D (hex[, n])</code>	Hexadecimal to decimal

<code>num</code>	Number
<code>str</code>	String
<code>bit</code>	0 or 1
<code>cix</code>	Character index
<code>wix</code>	Word index
<code>val</code>	Value (num or str)

# REXX Summary

## DATATYPE (*str, type*)

<i>type:</i> <b>A</b> lphanumeric	Alphanumeric (a-z, A-Z, 0-9)
<b>B</b> inary	Binary (0-1)
<b>C</b>	Mixed SBCS/DBCS string
<b>D</b> bcs	DBCS-only string enclosed by SO and SI bytes
<b>L</b> owercase	Lowercase (a-z)
<b>M</b> ixed case	Mixed case (a-z, A-Z)
<b>N</b> umber	Number
<b>S</b> ymbol	Symbol (valid REXX name)
<b>U</b> ppercase	Uppercase (A-Z)
<b>W</b> hole number	Whole number
<b>heX</b> adecimal	Hexadecimal (a-f, A-F, 0-9)
<b>lO</b> gical	only '0' or '1'

## DATE (*dopt*)

<i>dopt:</i> <b>B</b> ase	Whole days since 1 Jan 0001 (//7 for 0=Monday, 6=Sunday)		
<b>C</b> entury	Days so far in this century		
<b>D</b> ays	Days so far in this year		
<b>E</b> uropean	dd/mm/yy		
<b>J</b> ulian	yyddd		
<b>M</b> onth	Month	<b>S</b> tandard	yyyymmdd
<b>N</b> ormal	dd Mon yyyy	<b>U</b> sa	mm/dd/yy
<b>O</b> rdered	yy/mm/dd	<b>W</b> eekday	Tuesday

## TIME (*topt*)

<i>topt:</i> <b>C</b> ivil	hh:mmxx (1-12, 00-59, am/pm)
<b>E</b> lapsed	sssssssss.uuuuuu (seconds, microseconds)
<b>H</b> ours	Hours since midnight
<b>L</b> ong	hh:mm:ss.uuuuuu
<b>M</b> inutes	Minutes since midnight
<b>N</b> ormal	hh:mm:ss
<b>R</b> eset	Returns elapsed time, restarts timer
<b>S</b> econds	Seconds since midnight

# REXX Summary

## Syntax

/* ... */	Comment (may span lines, may be nested)
,	Line continuation
;	Statement separator
v.i	Compound variable
'0f'x	Hexadecimal notation
'0010'b	Binary notation

## Symbols

May use characters: A-Z, a-z, 0-9, and @ # \$ \ . ! ? \_  
Special variables: RC, RESULT, SIGL

## Operators

Operators are grouped by precedence (highest to lowest) below  
Operators of equal precedence are evaluated from left to right

\	¬	Logical NOT (prefix)			
+		Numeric (prefix); same as 0+num			
-		Negate (prefix); same as 0-num			
**		Raise to (whole) power			
*		Multiply			
/		Divide			
%		Integer divide: divide and return integer part			
//		Remainder: divide and return remainder (not modulo; result may be negative)			
+		Add			
-		Subtract			
(abuttal)		Concatenate without blank			
(blank)		Concatenate with blank			
==		Strictly equal (identical)			
¬==	/==	\==	Not strictly equal		
>>		Strictly greater than			
<<		Strictly less than			
>>=	¬<<	\<<	Strictly greater than or equal to; not less than		
<<=	¬>>	\>>	Strictly less than or equal to; not greater than		
=		Equal (numerically or when padded, etc.)			
¬=	/=	\=	><	<>	Not equal; greater than or less than
>		Greater than			
<		Less than			
>=	¬<	\<	Greater than or equal to; not less than		
<=	¬>	\>	Less than or equal to; not greater than		
&		AND			
		Inclusive OR (either, or both)			
&&		Exclusive OR (either, but not both)			

## Instructions

**ADDRESS** Permanently toggle destination of commands to last environment  
**ADDRESS** *environment* Permanently change destination of commands  
**ADDRESS VALUE** *envexpression* Permanently change destination of commands  
**ADDRESS** *environment cmdexpression* Specify destination for just this one command

**ARG** [*template*]  
Same as PARSE UPPER ARG [*template*]

**CALL** *name* [*expression* [,*expression*]]... (up to 20 expressions)  
If *name* in quotes, only built-in or external function called  
Optional result returned in special variable RESULT

**CALL ON** *condition* [**NAME** *trapname*]  
**ERROR** Host command returns non-zero rc  
(or just positive rc if ON FAILURE too)  
**FAILURE** Host command returns negative return code  
**HALT** Attempt to interrupt (such as HI)  
**NOTREADY** Error during input or output operation  
Call on specified condition; variable SIGL contains line number

**CALL OFF** *condition*  
Cancel CALL ON trap

**DO** [ *name = expr* [**TO** *expr*] [**BY** *expr*] [**FOR** *expr*] ] [ **WHILE** *expr* ]  
[ **FOREVER** ] [ **UNTIL** *expr* ]  
[ *expr* ]  
...instructions...  
**END** [*symbol*]  
Repeated execution of a group of instructions

**DROP** *name*|(*namelist*) [*name*|(*namelist*) ...]  
Unassign named variables and/or list of vars contained in variable

**EXIT** [*expression*]  
Unconditionally leave; optionally return data

**IF** *expression* **THEN** *instruction* [**ELSE** *instruction*]  
Conditional execution

**INTERPRET** *expression*  
Execute *expression* as though it were a line in input file

**ITERATE** [*name*]  
Steps current or named do loop

**LEAVE** [*name*]  
Ends current or named do loop

**NOP**  
Dummy instruction

**NUMERIC DIGITS** [*expression*]  
Number of significant digits (default=9; can be arbitrarily high!)

**NUMERIC FORM** **SCIENTIFIC**|**ENGINEERING**|**VALUE** *expression*  
Exponential notation format; default=SCIENTIFIC

**NUMERIC FUZZ** *expression*  
Digits, at full precision, to ignore during comparisons (default=0)

# REXX Summary

Page 6 of 9  
15 May 1996

## Instructions

**PARSE** [**UPPER**] **ARG** [*template*] Program/subroutine/function parameters  
**EXTERNAL** Next string from terminal input buffer  
**LINEIN** Next line from default input stream  
**NUMERIC** Current DIGITS FUZZ FORM settings  
**PULL** Next string from program stack  
**SOURCE** Source of program being executed  
**VALUE** [*expr*] **WITH** Parse result of expression  
**VAR** *name* Parse named variable  
**VERSION** Query REXX version

Assign data to one or more variables

**PROCEDURE** [**EXPOSE** *name*|(*namelist*) [*name*|(*namelist*) ...]]  
Protect (localize) variables in internal function or subroutine  
By default, all variables are global

**PULL** [*template*]  
Same as PARSE UPPER PULL

**PUSH** [*expression*]  
Stack resulting string LIFO in program stack

**QUEUE** [*expression*]  
Stack resulting string FIFO in program stack

**RETURN** [*expression*]  
Return control; like EXIT if no internal routine active  
Returns result from function; sets RESULT variable from subroutine

**SAY** [*expression*]  
Displays (TYPES) a line to default output stream (the terminal)

**SELECT**  
**WHEN** *expression* **THEN** *instruction*  
**WHEN** *expression* **THEN** *instruction*  
...etc...  
**OTHERWISE** *instruction*  
**END**  
Case-conditional execution  
Only the first matching case is executed

**SIGNAL** *label*  
Pass control to label

**SIGNAL** [**VALUE**] *expression*  
Pass control to label evaluated from expression

**SIGNAL ON** *condition* [**NAME** *trapname*]  
**ERROR** Host command returns non-zero rc  
(or just positive rc if ON FAILURE too)  
**FAILURE** Host command returns negative return code  
**HALT** Attempt to interrupt (such as HI)  
**NOTREADY** Error during input or output operation  
**NOVALUE** Uninitialized variable used  
**SYNTAX** Interpretation syntax error  
Signal on specified condition; variable SIGL contains line number

**SIGNAL OFF** *condition*  
Cancel SIGNAL ON trap

## Instructions

**TRACE** [*prefix*] [*letter*]

*prefix*:

?=Toggle pause for interactive debug input after trace occurs

!=Toggle inhibit host command execution (try TRACE !C)

*letter*:

**A**=All: all clauses traced (displayed) before execution

**C**=Commands: all host commands traced, non-zero rc's displayed

**E**=Error: host commands with non-zero rc traced after execution

**F**=Failure: host commands with negative rc traced after execution

**I**=Intermediates: All + intermediate results

**L**=Labels: display labels as passed during execution

**N**=Normal=Negative: host cmds with negative rc traced after execution

**O**=Off, or no argument: nothing traced; prefix actions off

**R**=Results: final (not intermediate) results, plus PULL, ARG, PARSE

**S**=Scan: trace remaining clauses without executing

**TRACE** [*number*]

*n*=skip next *n* interactive debug pauses

-*n*=skip next *n* tracing displays

**UPPER** *variable* [*variable* ...]

Translate contents of named variables to uppercase

**PARSE VERSION** *v.1 v.2 v.3*

*v.1* = 'REXX-ooRexx\_4.2.0(MT)\_32-bit'

*v.2* = '6.04'

*v.3* = '22 Feb 2014'

**PARSE SOURCE** *s.1 s.2 s.3*

*s.1* = 'WindowsNT'

*s.2* = 'COMMAND'|'FUNCTION'|'SUBROUTINE'

*s.3* = Filename

**TRACE** Messages

\*-\* Source data in program

+++ Trace message

>>> Result of expression, parsed value, or returned from subroutine

>.> Value assigned to placeholder during parsing

during TRACE I:

>C> Name of compound variable

>F> Result of function call

>L> Literal (string or uninitialized variable)

>O> Result of operation on two terms

>P> Result of prefix operation

>V> Contents of a variable

# REXX Summary

Page 8 of 9  
15 May 1996

**RexxUtil is a Dynamic Link Library (DLL) package for Windows and \*nix platforms; the package contains external functions.**

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```
W  action = RxMessageBox(text , [title] , [button] , [icon])
W  rc = RxWinExec(cmdline [,cmdshow])
A  rc = SysAddRexxMacro(name,file [,order])
W  drive = SysBootDrive()
A  rc = SysClearRexxMacroSpace()
A  rc = SysCloseEventSem(handle)
A  rc = SysCloseMutexSem(handle)
A  Call SysCls
A  str = SysCreateEventSem([name] [manual_reset])
A  str = SysCreateMutexSem([name])
U  Parse Value SysCreatePipe() with handle handle
W  Parse Value SysCurPos([row ,column]) with row col
W  Call SysCurState( 'ON' | 'OFF' )
W  Parse Value SysDriveInfo(drive) With free total label
W  drives = SysDriveMap([drive] [,opt])
A  Call SysDropFuncs -- does nothing
A  rc = SysDropRexxMacro(name)
A  Call SysDumpVariables([filename])
A  rc = SysFileCopy(source ,target)
A  rc = SysFileDelete(filename)
A  bit = SysFileExists(filename)
W  rc = SysFileMove(source ,target)
A  rc = SysFileSearch(target,file,stem [,options])
W  type = SysFileSystemType(drive)
D  rc = SysFileTree(filespec,stem {,options {tattrib [,nattrib]})
U  pid = SysFork()
W  rc = SysFromUnicode(string, codepage, flags, defaultchar ,outstem)
A  str = SysGetErrorText(errornumber)
A  timestamp = SysGetFileDateTime(filename [,timesel])
A  char = SysGetKey('ECHO' | 'NOECHO')
U  str = SysGetMessage(errornumber [,filename [,str ...]])
U  str = SysGetMessageX(messageset ,errornumber [,filename [,str ...]])
W  str = SysIni([inifile] ,app ,key [,val [,stem]]) --has variants
A  bit = SysIsFile(filename)
W  bit = SysIsFileCompressed(filename)
A  bit = SysIsFileDirectory(directory)
W  bit = SysIsFileEncrypted(filename)
A  bit = SysIsFileLink(linkname)
W  bit = SysIsFileNotContentIndexed(filename)
W  bit = SysIsFileOffline(filename)
W  bit = SysIsFileSparse(filename)
W  bit = SysIsFileTemporary(filename)
L  str = SysLinVer()
A  Call SysLoadFuncs -- does nothing
A  rc = SysLoadRexxMacroSpace(name)
A  rc = SysMkDir(directory)
```



# REXX Summary

Page 9 of 9  
15 May 1996

```
A handle = SysOpenEventSem(name)
A handle = SysOpenMutexSem(name)
A rc = SysPostEventSem(handle)
W rc = SysPulseEventSem(handle)
D info = SysQueryProcess(PID | TID | PPRIO | TPRIIO | PTIME | TTIME)
A str = SysQueryRexxMacro(name)
A rc = SysReleaseMutexSem(handle)
A rc = SysReorderRexxMacro(name ,order)
A rc = SysRequestMutexSem(handle [,timeout])
A rc = SysResetEventSem(handle)
A rc = SysRmdir(directory)
A rc = SysSaveRexxMacroSpace(filename)
A filename = SysSearchPath(path ,filename [,option])
A rc = SysSetFileDateTime(filename [,newdate [,newtime]])
A rc = SysSetPriority(class ,delta)
W rc = SysShutdownSystem([computer [,msg [,timeout [,force [,reboot]]]])
A Call SysSleep seconds
A rc = SysStemCopy(fromstem ,tostem [,from [,to [,count [,insert]]]])
A rc = SysStemDelete(stem [,startitem [,itemcount]])
A rc = SysStemInsert(stem ,position ,value)
A rc = SysStemSort(stem ,[order] ,[type] ,[start] ,end ,[firstcol] ,[lastcol])
W rc = SysSwitchSession(name)
W directory = SysSystemDirectory()
A filename = SysTempFileName(template [,filter])
W str = SysTextScreenRead(row ,column [,len])
W Parse Value SysTextScreenSize() With row col
W str = SysToUnicode(string ,codepage ,translateflags ,outstem)
A str = SysUtilVersion()
A str = SysVersion()
W label = SysVolumeLabel([drive])
U rc = SysWait()
A rc = SysWaitEventSem(handle [,timeout])
W rc = SysWaitNamedPipe(name [,timeout])
W rc = SysWinDecryptFile(filename)
W rc = SysWinEncryptFile(filename)
W str = SysWinVer()
W rc = SysWinGetPrinters(stem)
W Parse Value SysWinGetDefaultPrinter() With Prtname ',' Drvname ',' Port
W rc = SysWinSetDefaultPrinter(description)
```

---

## First Column Code:

**A**=All: Linux, Unix and Windows supported  
D=All: Linux, Unix and Windows, but different returncodes  
W=Windows only  
L=Linux only  
U=Unix only