

BB4GL Subroutines

Name.....	Description.....
ABSS.SUB (ARRAY, OUTPUT)	Multivalued ABS()
ADDS.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT)	Multivalued ADD function
ANDS.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT)	Multivalued AND function
AUDIT.SUB (AUTH.KEY, REC.ID, PROG, TYPE, PARAMS)	Captures and writes audit records for mgmt overrides
AUTH.KEY=authorization ID	
REC.ID=ID of current record	
PROG=progrnam name	
TYPE=type of entry	
PARAMS=for future use	
AVERAGE	produces averages on the break lines when TOTALEd
This is a B-correlative.	
Use on line 7 of a dictionary item as B;AVERAGE	
B.ROUND.SUB (VAL, NEWVAL)	performs bankers rounding
B.ROUNDS.SUB (ARRAY, NARRAY)	performs bankers rounding on an array
BARCODE (CODENO)	GETS CODENO FROM BAR CODE PORT
BARGRAPH (WIDTH, LOWERLIMIT, UPPERLIMIT, VALUES, BOTROW, TOPROW, BCOL, HDR, XAXIS, YAXIS)	Used only on ADDS Terminals to produce graphs. Ask support for help on this.
BARMENU	RUNS MENUS
See BB4GL Main Manual for directions on use.	
BB.ACORR (FILE.NAME, DCT.NAME, FCORRS)	Converts A-correlative to F-correlative
FILE.NAME=name of source data file	
DCT.NAME=name of dictionary to convert	
FCORRS=return value of function	
BB.BUILDCORR	Builds correlatives and subroutines for BB.TCL
For future use.	
BB.CLEAR.SELECT (LISTNAME)	Clears the custom select list
For future use.	
BB.CLOSEUP	wraps up active BB select list
For future use.	
BB.CORR (PASS, CID, OTHER.DICT.LIST, I.LIST)	Returns the internal ID for calling in BB.TCL
)	
For future use.	
BB.GETCLIP	ROUTINE TO GET CLIPBOARD TEXT USING ACCUTERM
Returns data from Windows Clipboard to variable CLIP in NAMEDCCOMMONMARKS	
BB.LOGON.G (BB.ACCOUNT, PASSWORD, SOFTWARE GUI Logon for BB4GL.NAME)	
Produces BB4GL GUI logon.	
BB.NEXTNO (FILENAME, FILEVAR, PREFIX, NEXTNO)	Returns next sequential number ss
Determined by parameters in the SEQUENCES file	
If FILEVAR is opened, keys will be checked against the File for existence. If FILEVAR is not assigned, the File will not be checked. If the prefix is null, the prefix from the SEQUENCES file will be used. SEQUENCES can be set up numerically or to generate alphanumeric keys. alphanumeric keys will have more values in a shorter number of characters.	
BB.READNEXT (LISTVAR, ELEMENT, VAL, SVAL, EOF)	BB4GL custom select list processing
For future use.	
BB.READPREV (LISTVAR, ELEMENT, EOF)	BB4GL custom select list processing
For future use.	
BB.SENDCLIP	ROUTINE TO SET CLIPBOARD TEXT USING ACCUTERM
sends value of CLIP variable of NAMEDCCOMMONMARKS to Windows clipboard	
BB.TCL.FCORR (DUMMY, CORREL, THISATTR, RECORD, KEY, FILENAME, DNAME)	EMULATES THE PICK SYSTEMS F-CORRELELATIVE
DUMMY=result	
CORREL=starting correlative	
THISATTR=attribute of line 2 of dictionary	
RECORD=dynamic array of record to evaluate	
KEY=ID of record	
FILENAME=data file name	
DNAME=name of dictionary in FILENAME	
BB.TCL.SCROLL (COMMAND, INLIST, OUTLIST, CHOOSE.ONE.ONLY)	Scrolling Pick Access
For future use.	
BOXDRAW (BROW, BCOL, WIDTH, HEIGHT, CLR)	DRAWS BOXES
CLR=1 to clear box	
BTREE.ADD (FILEVAR, DESC, KEY)	ADD A SET OF BTREE INDICES FOR A DESCRIPTION.
Obsolete	
SX.INDEX (FILEVAR, ATTR, DESC, IDS)	SOUNDEX ROUTINE
FILEVAR=file variable of source file of IDS	
ATTR=attribute of source file from which to pull	
DESC=description to be soundexed	

IDS=return list of values, separated by value marks

BTREE.DELETE (FILEVAR,DESC,KEY) DELETE OLD BTREE INDICES
 Obsolete

BTREE.INDEX (FILEVAR,DESC,IDS) BTREE RETRIEVAL
 Obsolete

CALL132 CHANGES TERMINAL DISPLAY TO 132 CLOUMNS.
 CALL80 CHANGES YOUR TERMINAL TO 80 COLUMNS.

CAPT (COMM,DTA,TEXT,ERRS) CAPTURES OUTPUT GENERATED BY AN EXECUTE STATEMENT.
 comm=TCL command to execute
 DTA=dats stack separated by attribute marks
 TEXT=captured text
 ERRS=errors numbers returned

CATS.SUB (ARRAY1,ARRAY2,REUSE,OUTPUT) Multivalued CONCATENATE function

CCLISTEN.JB (CCI.REC,CCO.REC,RESULTS) Verifies creid card information on jBase

CCLISTEN.MVB (CCI.REC,CCO.REC,RESULTS) Verifies credit card tranacstions with Mercury
 Verifies creid card information on mvBase

CCLISTEN.PICK (CCI.REC,CCO.REC,RESULTS) Verifies credit card tranacstions with Mercury
 Verifies creid card information on d3

CHARS.SUB (ARRAY,OUTPUT) Multivalued CHAR()

CHECK.LOCAL.FILE (COPY.TO.FILE,BAD.CFI Checks to see if a file is local to this machine,
 LE,DISPLAY.PATH,REAL.FILE) has no circular

COPY.TO.FILE File name being tested to copy to or read from.
 Passed in.

LOCAL.FILE flag being returned indicating whether file resides
 on this machine

BAD.CFILE flag indicating whether file is good and openable

DISPLAY.PATH flag indicating whether to display the path of the
 q-pointers on the screen

REAL.FILE shows final, derived file name. Passed in.

COMMONMARKS.MINUS COMMON MARKS - @(XX) variables
 Private use

COMMONMARKS4 COMMON MARKS - ASSIGNED
 Private BB4GL use.

COMPRESS (INDTA,OUTDTA) COMPRESSES INDTA INTO OUTDTA TO 6-7 BITS, UNCOMPRESSES
 Obsolete SS USING 'EXPAND'

CONVERT.SUB (CONSTR1,CONSTR2,OSTRING,STR mimics CONVERT function
 ING)

COUNTS.SUB (ARRAY,STRING,OUTPUT) Multivalued COUNT

DATETEST (DATE,IDATE,FLAG) VALIDATES ANY FORMAT OF DATE, AND RETURNS INTERNAL
 FORMAT AND A FLAG.

DCOUNTS.SUB (ARRAY,STRING,OUTPUT) Multivalued DCOUNT

DECTEST (ODEC,IDEC,FORMAT,FLAG) WILL VALIDATE ANY NUMERIC INPUT PASSED INTO IT.

DEFINPUT (BACKTAB,TEXT,EDLGT) Standard input for regular inputs, starts with a d
 efault value for TEXT

Specialized GUI field editing function. See BB4GL Supplemental Manual.

DISPLAYPROMPT (PRMPT,NEW,STACKNO,SELEC TO DISPLAY PRMPT IN STACKERS
 T.PRESENT)

For internal use with TCL Stacker

DIVS.SUB (ARRAY,ARRAY2,REUSE,OUTPPUT) Multivalued DIVISION function

DOCED.G (GUIERRORS,GUISTATE) GUI version of UTIL DOCED - front-end for word pro
 cessing programs.

DOWNCASE.SUB (VAR) converts to lower case
 Emulation of U2 DOWNCASE function. See also IBP.SPEC DOWNCASE

EDINPUT (EDTEXT) PC-LIKE TEXT INPUT.
 obsolete

EDINPUT2 (BACKTAB,PARRS,TEXT,ROW,BCOL, PC-LIKE TEXT INPUT.
 EDLGT,MODE,PRIV)
 Obsolete

EDINPUT4 (BACKTAB,PARRS,TEXT,ROW,BCOL, PC-LIKE TEXT INPUT. (Relative positioning. EDINPU
 EDLGT,MODE,PRIV) T2 does @(X,Y).)
 Obsolete

EDINPUT5 (BACKTAB,PARRS,TEXT,ROW,BCOL, PC-LIKE TEXT INPUT. (Relative positioning. EDINPU
 EDLGT,MODE,PRIV) T2 does @(X,Y).)
 Current specialized GUI field editing. See BB4GL Supplemental Manual.

EMAIL.FILE (FILE.ITEM,SUBJECT,BODY E-mails files through Windows e-mail server for mvBase and D3
 ,ADDRS)

FILE.ITEM MV 1 = File name where items to be sent reside
 MV 2 = list of item names to be sent
 MV 3 = Conversion to run on each item
 call sends item as parameter

SUBJECT - Single line of text that will form the subject
 line of the email

BODY - list of lines which will form the body of the
 email. Each Multivalued represents a line in the
 body of the email.

ADDRS - MV list of email addresses to send the email too.

If SV 2 for a mail address is set to 1 then allow non address book email.

ENTRY.CONTROL (TEMP.NAME,VALID) PROGRAM TO VALIDATE AUTHORIZATION TO ENTER PROGRAM S.

See BB4GL Main Manual.

EQS.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued equals

EXEC.SUB (STATEMENT, DTA, SELECTFROM, SELECTTO, ERRS, VIDEO) EXECUTION - provides database independent EXECUTE capability

STATEMENT=TCL statement

DTA=stacked data separated by attribute marks

SELECTFROM=select list of item IDs

SELECTTO= pass 1 to have it bring back list of IDs selected in SELECTTO variable

ERRS=error numbers generated by EXECUTE

VIDEO=0 no capture, 1=capture and don't display, 2=capture and display, 3=send to RRM report manager

EXPAND (INDTA, OUTDTA) EXPANDS DATA COMPRESSED BY 'COMPRESS' FROM 7-5 BITS

Obsolete

EXPS.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued EXPONENTIATION function

FCORR (DUMMY, CORREL, THISATTR, RECORD, KE EMULATES THE PICK SYSTEMS F-CORRELELATIVE Y, FILENAME, DNAME)

See BB.TCL.FCORR

FIELDS.SUB (WHOLE, DELIM, BFLD, HOW.MANY, PART) Same as FIELD (WHOLE, DELIM, BFLD, HOW.MANY) on many database O/S

FILESEARCH (FILENAME, ATTR, VALUE, SUBVALUE, DESC, SELECTEDITEMID) SEARCHS ANY FILE FOR A SPECIFIED STRING

FILENAME=data file to search

ATTR= which to attribute to search

VALUE=value to search, 0=all

SUBVALUE=subvalue to search, 0=all

DESC=text to find

SELECTEDITEMID=found key

FINDSTR (ARRAY, SUBSTRING, OCCURENCE, AMOUNT, VMC, FOUND) Finds an occurrence of a string in an array

emulates FINDSTR function

FOLDD (TEXT, WIDTH, DELIM) Splits a string into an array using spaces

FOLDS.SUB (ARRAY, WIDTH, DELIM) multi-valued FOLD

FUNCTION.LOAD.2 (SETNAME) LOADS FUNCTION KEYS ON ADDS EMULATIONS.

SETNAME is usually the BB4GL user name

GES.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued greater than or equals

GETPOS (CUR.COL, CUR.ROW) Gets current cursor position

Returns current cursor position

GRPSTR.SUB (STRING, SUBSTRING, PLACE, DELIM) Replaces a field with a string

)

GTS.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued greater than or equals

GUI.BARMENU (GUIERRORS, GUISTATE) Gui Bar Menu

GUI.MENU GUI tree menus

HELP.LINES (DFILE, HELPS) Returns help lines for a dictionary. Used for data entry.

ICONVS.SUB (ARRAY, CNVS, OUTPUT) Multivalued ICONV

ICORR (PROG) Creates a program for compiling and execution in B.B.TCL

For future use.

ICV.SUB (UPD.D.FNAME, UPD.D.DNAME, VAL, VERBOSE) Validates fields in data entry

UPD.D.FNAME=name of dictionary file name

UPD.D.DNAME=dictionary item name

VAL=value to be validated

VERBOSE=0 no messages, 1=messages., 2=messages and stops for input

IDX.SUB (WHOLE, STRING, GLOBAL, AMC, ITER, COL) SIMILAR TO PICK INDEX FUNCTION, BUT WILL ACCEPT GLOBAL CHARACTER.

WHOLE=string to search

STRING=string to find

GLOBAL=0 for ^=^, 1 ^=any character

AMC=attribute to begin with

ITER=which instance to stop on

COL=returned column value in WHOLE

IDXS.SUB (ARRAY1, ARRAY2, GLOBAL, AMC, ITER, OUTPUT) SIMILAR TO PICK INDEX FUNCTION, BUT WILL ACCEPT GLOBAL CHARACTER.

IFS.SUB (ARRAY, TRUEARRAY, FALSEARRAY, OUTPUT) Multivalued IF function

IDX (WHOLE, STRING, GLOBAL, AMC, ITER, COL) SIMILAR TO PICK INDEX FUNCTION, BUT WILL ACCEPT GLOBAL CHARACTER.

See IDX.SUB

INDEXS.SUB (ARRAY1, ARRAY2, REUSE, OUTPUT) Multivalued INDEX function

ISNULLS.SUB (ARRAY, OUTPUT) Multivalued check for null values

LASER.INIT initializes printer laser font variables

LAUNCH.EMAIL (COMMAND.NAME, SAVENAME, SUBJECT) Invokes Visual Basic to invoke Microsoft Outlook for a support request among other things

Private use.

LENS.SUB (ARRAY, OUTPUT) Multivalued LEN function

LES.SUB (ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued less than or equals

LISTCATTC2 (FILE, CHOICE) DISPLAYS CATALOG OF AVAILABLE TC ITEMS.

FILE=data file which olds TC stack commands
CHOICE=returned choice

LOAD.MAINT(FILENAME,CHOICE) MAINTAINS LOAD ATTRIBUTE IN DICTIONARIES
FILENAME=data file
CHOICE=load name for UPD

LOCKED.FILE(FILENAME, ID, LOCKEDFLAG, LOCKINGPORT, PORTLOCATION) Returns information when a record is locked.
FILENAME=data file
ID=record key attempting to be read
LOCKEDFLAG=0 if not locked, 1=locked
LOCKINGPORT=port number which has the item locked
PORTLOCATION=text description of locking port

LOWER.SUB(VAR) lowers delimiters
LTS.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued less than
MAKE.LIST(STNCE, LIST) CREATES LIST IN A VARIABLE FROM AN EXTERNAL SELECT LIST

MATCHESES.SUB(ARRAY, PATTERN, OUTPUT) Multivalued MATCHES PATTERN
MAX produces maximums on the break lines when TOTALed
B-correlative, use on line 7 of a dictionary as B;MAX
MAXIMUM.SUB(ARRAY, OUTPUT) finds maximum of an array
MCP.SUB(STRING) Similar to the Pick MCP conversion, but it deletes bad chars rather than changing them to periods

MCT.DF CONVERTS A LINE OF TEST FROM "JOHN T. SMITH" TO "John T. Smith"
MCT.SUB(ATT) CONVERTS A LINE OF TEST FROM "JOHN T. SMITH" TO "John T. Smith"

MENU.COMMANDS.PROG RUNS MENU COMMANDS FROM PROC MENUS
For private use.
MENU.GUI(MENU.NAME, GUI.MENU) Builds and writes parameter file for UTIL GUI.MENU program
For private use.
MENU.GUI.S(MENU.NAME, GUI.MENU) Builds and writes parameter file for UTIL GUI.MENU program
For private use.
MENUDO.G(GUIERRORS, GUISTATE) GUI version of Report Writer
FOR PRIVATE USE.

MIN produces minimums on the break lines when TOTALed
MINIMUM.SUB(ARRAY, OUTPUT) finds minimum of an array
MODS.SUB(ARRAY1, ARRAY2, REUSE, OUTPUT) Multivalued MOD function
MR0(ODEC, IDEC, FLAG) VALIDATES NUMERIC INPUT OF 0 DECIMALS.
MR1(ODEC, IDEC, FLAG) VALIDATES ONE DECIMAL NUMBERS. (ALLOWS \$ - AND ,)
MR2(ODEC, IDEC, FLAG) VALIDATES TWO DECIMAL NUMBERS. (ALLOWS \$ - AND ,)
MR3(ODEC, IDEC, FLAG) VALIDATES THREE DECIMAL NUMBERS. (ALLOWS \$ - AND ,)
MR4(ODEC, IDEC, FLAG) VALIDATES FOUR DECIMAL NUMBERS. (ALLOWS \$ - AND ,)
MR5(ODEC, IDEC, FLAG) VALIDATES FIVE DECIMAL NUMBERS. (ALLOWS \$ - AND ,)

MSEINPUT(BACKTAB, TEXT, EDLGT, ROW, BCOL) Input for mouse entries and their choices, so non-mouse entries
See BB4GL Supplemental Manual
MSGINPUT PC-LIKE TEXT INPUT.
obsolete

MSORT(IVAR, SORTATT, ATTLIST, OVAR, ORDER, SORTATT.FMT) SORTS DYNAMIC ARRAYS.
IVAR=input dynamic array
SORTATT=attribute to sort on
ATTLIST=list of attributes to sort
OVAR=resultant dynamic array
ORDER=A=ascending, D=descending
SORTATT.FMT=format string, for instance, 'L#20'

MULS.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued MULTIPLICATION function
MULTS.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued MULTIPLICATION function
MYSOUNDEX(STRING, SID) SOUNDEX CONSTRUCTED ON MY OWN SOUNDEX ALGORITHM.

BB4GL custom SOUNDEX function.

NEG.SUB(VAR, OUTPUT) returns the negative of the value
NEGS.SUB(ARRAY, OUTPUT) Multivalued NEG function
NES.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued not equals
NEXTHIGHERPRIME(MODULO) GENERATES THE CLOSEST PRIME NUMBER BELOW IT.
NEXTLOWERPRIME(MODULO) GENERATES THE CLOSEST PRIME NUMBER BELOW IT.
NOTS.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued # function
NSORT(IVAR, OVAR, ORDER) NUMERIC SORT ROUTINE
OCONVS.SUB(ARRAY, CNVS, OUTPUT) Multivalued OCONV
OCV.SUB(UPD.D.FNAME, UPD.D.DNAME, VAL) ses dictionaries to perform output conversions for or database integrity

OPEN.ER(FNAME) Handles OPEN failures in a generic way
ORS.SUB(ARRAY, TESTARRAY, REUSE, OUTPUT) Multivalued OR function
PDMENU RUNS MENUS (PULL DOWNS)

See BB4GL Main Manual.

POS General routine to return an attr/value/subvalue from an item
 B-correlative which returns an attr, value, subvalue
 for instance, att 7 of a dict might read 007 F3;4;2](B;POS) which will return RECORD<3,4,2>

PR.BP.COMP (FIRST,SECOND) COMPARES FIRST INPUT TO SECOND INPUT. IF FIRST IS GREATER THEN VALID.

Used in PROCS

PR.BP.CONV (BACKTAB,CNV,TYPE,UPDATE,LGT) VALIDATES ANY VALUE OR DATE VIA THE BASIC ICONV AND D OCONV FUNCTIONS PASSED INTO IT, THROUGH THE NEW PR.BPs

Used for input in PROCS

PRETTY.TCL (OUTPUT) PR.BPs
 Obsolete

PRINT.SCREEN
 Sends the current text of the screen to the host for saving to a file.

PRINT.THRU.NOTEPAD (SPOOL.NUM) Captures hold entry#, sp-edits to a file, then AccuTerm FTs to NotePad

PRINT.THRU.WORDPAD (SPOOL.NUM) Captures hold entry#, sp-edits to a file, then AccuTerm FTs to WordPad

PROKREAD (IPBUFFER,SUCCESS) PROC READ FOR ALL PLATFORMS

PROKWRITE (IPBUFFER) PROC WRITE FOR ALL PLATFORMS

RAISE.SUB (VAR) raises delimiters

XXCHANGE (VAR,STR1,STR2) CHANGE/SWAP

REPORT.GENERATOR (REPORT.ID,TCFILE,CATTC FILE,D.CATTCFILE) Simple Report Writer and Editor
 For future use.

RI.START Performs the equivalent of a PROC RI in PR.BPs

RRM.G (GUIERRORS,GUISTATE) GUI Front end for RRR program for menus, to prompt to Begin or not.

SB.ACORR (ACORR,FCORR,FILENAME) Creates an F-correlative from an A-correlative, for BB.TCL

SCHAR (SINGLECHAR,SSQQ) returns naked single character w/o ANSI translation, and SEQ()

SCREEN.BACK.SUB (HARD.REPAINT) version of UTIL.IBP SCREEN.BACK. direct use of UTIL.IBP SCREEN.BACK is preferred due to performance considerations
 HARD.REPAINT=1 indicates that screen must be repainted in program because available screens have run out.

SCREEN.FORWARD.SUB (REMAKE) version of UTIL.IBP SCREEN.FORWARD. direct use of UTIL.IBP SCREEN.FORWARD is preferred due to performance considerations
 REMAKE#Y tells to capture screen when repainting is impossible

SCREEN.GET (SCREEN,SCR.CLM,SCR.ROW) used to capture screen when REMAKE#Y in SCREEN.FORWARD.SUB

SCREEN.PAINT (SCREEN,SCR.CLM,SCR.ROW) Paints a text screen, positions cursor at SCR.CLM,SCR.ROW
 SCREEN=dynamic array of screen lines

SCREENSAVER BLANKS SCREEN AND PREVENTS BURNOUT

SCROLL.ANY (FNAME,SCRATTR,SORTATTR,INLIST,OUTLIST,JUST,SCR.HDR,CHOOSE.ONE.OONLY, BB.HARDWAY.FLAG) SCROLLS ANY FILE.

IST,OUTLIST,JUST, SORT.HDR,SCR.HDR,CHOOSE.ONE.OONLY, BB.HARDWAY.FLAG)

FNAME=file name of source data
 SCRATTR=data column to list
 SORTATTR=data column which to sort and list
 INLIST=dynamic array of IDS to FNAME or * for all
 OUTLIST=dynamic array of IDS returned from FNAME or null for none
 JUST=L=left,R=right
 SORT.HDR=Header of SORTATTR column, SORT.HDR<2> can hold conversion to convert data,like MR2,\$
 SCR.HDR=header of SCRATTR column, SCR.HDR<2> can hold conversion to convert data, like MR2,\$
 CHOOSE.ONE.OONLY=1 for returning when a single ID choice is made, 0 to return a list of IDS
 BB.HARDWAY.FLAG=1 when screen must be repainted the hardway (not using SCREEN.BACK.SUB)
 >> A special feature is the ability to scroll a TCL listing. Try:

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EXECUTE 'CAP-HUSH-ON'
EXECUTE 'SORT ORDER BY RS LNAME AMT USING DICT ORDER.S (NHC' CAPTURING
INLIST
EXECUTE 'CAP-HUSH-OFF'
FNAME='KEY=6'; * 6 is the length of the ID/KEY field
SCRATTR=1; SORTATTR=1
JUST='L'
OUTLIST=''
SORT.HDR='My tcl listing'
SCR.HDR=SORT.HDR
CHOOSE.ONE.OONLY=0
CALL SCROLL.ANY (FNAME,SCRATTR,SORTATTR,INLIST,OUTLIST,JUST,SORT.HDR,SCR.HDR,CHOOSE.ONE.OONLY, BB.HARDWAY.FLAG)
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SCROLL.ANY.G (FNAME,SCRATTR,SORTATTR,INLIST,OUTLIST,JUST,SCR.HDR,CHOOSE.ONE.OONLY, GUIERRORS,GUISTATE) Scrolling GUI lookup version of SCROLL.ANY, faster version

SCROLL.ANY.GRID (FNAME,SCRATTR,SORTATTR,INLIST,OUTLIST,JUST,SCR.HDR,CHOOSE.ONE.OONLY, GUIERRORS,GUISTATE) Scrolling GUI lookup version of SCROLL.ANY, faster version

SEQS.SUB (ARRAY,OUTPUT)	Multivalued SEQ()
SHOW.ART (SEL.NUM,REC)	Shows various artists work and allows choice of artist motif
	Shows and allows selection of artist's work at logon
SINGLECHAR (SINGLECHAR,SSQQ)	returns naked single character with ANSI translation, and SEQ()
SOUNDEX (INNAME, SX)	WILL CONVERT ANY NAME OR DESCRIPTION PASSED INTO IT TO ITS SOUNDEX EQUIVALENT.
SOUNDEXS.SUB (ARRAY,OUTPUT)	Multivalued SOUNDEX()
SPACES.SUB (ARRAY,OUTPUT)	Multivalued SPACE()
SPELLCHECK (TEXT)	TO CHECK SPELLING ON TEXT AND MAINTAIN DICTIONARY.
SPELLCHECK2 (TEXT)	TO CHECK SPELLING ON TEXT AND MAINTAIN DICTIONARY.
SSOUNDEX.SUB (DESC, SSS)	ADD A SET OF SOUNDEX INDICES FOR A DESCRIPTION. Super soundex!!
SSOUNDEXS.SUB (ARRAY,OUTPUT)	Multivalued SSOUNDEX()
SSUM.SUB (ARRAY,NARRAY)	TO SUM SUBVALUES INTO VALUES, VALUES INTO ATTRIBUTES, AND ATTRIBUTES INTO ITEMS, ONE STEP PER CALL.
STACKEDIT (BACKTAB,TEXT)	PC-LIKE TEXT INPUT for TCL Stacker.
	For private use.
START.BP	initializes variables for starting programs, especially help
STDINPUT (BACKTAB,TEXT,EDLGT)	Standard input for regular inputs. Initialized input to null.
STOP.BP	Can be used to close important issues when stopping programs.
STRS.SUB (ARRAY1,ARRAY2,REUSE,OUTPUT)	Multivalued STR function
SUB.LIST.HANDLER	ALLOWS THE USE OF SELECT LISTS AS ARGUMENTS FOR "IF/WITH CLAUSES"
	Use with SELECT FILE WITH LIST.HANDLER = "saveListName""DictName"
NUMS.SUB (ARRAY,OUTPUT)	Multivalued NUM
SUBS.SUB (ARRAY,TESTARRAY,REUSE,OUTPUT)	Multivalued SUBTRACTION function
SWAP (SEARCH.STRING,START.STRING,NEW.STRING,FINAL.STRING)	PERFORMS A SWAP
	SEARCH.STRING=original total whole string
	START.STRING=string to found
	NEW.STRING=string to be substituted
	FINAL.STRING=resultant string
SX.ADD (FILEVAR,ATTR,DESC,KEY)	ADD A SET OF SOUNDEX INDICES FOR A DESCRIPTION.
SX.DELETE (FILEVAR,ATTR,DESC,KEY)	DELETE OLD SOUNDEXS
SX.INDEX (FILEVAR,ATTR,DESC,IDS)	SOUNDEX ROUTINE
TCL.UPCASE (INSTATEMENT,OUTSTATEMENT)	Makes TCL sentences case insensitive in STACKER and EXEC.SUB
TIMETEST (EXTTIME,INTTIME,FLAG)	VALIDATES TIMES PASSED INTO IT.
TRANS.SUB (FNAME, ID, FNO, CODE, RESULT)	file translation for BB.TCL Access
	For private use.
TRANSFORM.ACCUTERM (PATH.TO.APP,DOS.FILE.NAME,ADDER,ATTS,MV,ADD.HDR,ALLFLG,PICK.FILE)	Transforms data to be displayed as Excel Spreadsheets or other desktop apps
	PATH.TO.APP=path to Windows application
	DOS.FILE.NAME=Windows file name
	ADDER=thing to add to access a particular spreadsheet worksheet
	MV=Y=multivalued
	ADD.HDR=whether data has a header for data sets
	ALLFLG=* means all records else uses (ACCUTERM*PORT
	PICK.FILE=source data file
TRANSFORM.ACCUTERM.l (TRFILE,ERR,PICK.FILE)	Returns a file handle for transforming data to Excel and other desktop apps
TRANSFORM.ACCUTERM.LAUNCH (PATH.TO.APP,DOS.FILE.NAME,RELEASE)	Launches a DOS application
	RELEASE=1 allows continuation of data entry, 0 does not
TRAP.PRINT.SCREEN	Used on Ultimate to handle INTERRUPT TRAPPING
TRMB (STRING,NSTRING)	TRIMS FORWARD SPACES FROM A STRING (LEADING SPACES).
TRMF (STRING,NSTRING)	TRIMS FORWARD SPACES FROM A STRING (LEADING SPACES).
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TRIML (STRING,NSTRING)	TRIMS FORWARD SPACES FROM A STRING (LEADING SPACES).
TRIMT (STRING,NSTRING)	TRIMS FORWARD SPACES FROM A STRING (LEADING SPACES).
).
TTEMS (VERB,FILE,LIST,OPTS)	PERFORMS A TCLREAD, DETERMINES VERB, FILE, LIST, AND OPTIONS AND RETURNS THEM.
TTEMS2 (VERB,FILE,LIST,OPTS)	PERFORMS A TCLREAD, DETERMINES VERB, FILE, LIST, AND OPTIONS AND RETURNS THEM.
UPCASE.SUB (VAR)	converts to upper case
UPD.ITEMS	DETERMINES VERB, FILE, LIST, AND OPTIONS AND RETURNS THEM.
	For private use with UPD.
VAR.ASSIGNED (VAR.IN.QUESTION,VAR.ASSIGNED)	Compatibility function for ASSIGNED()
VAR.UNASSIGNED (VAR.IN.QUESTION,VAR.UNASSIGNED)	Compatibility function for UNASSIGNED()
WCONV (DATE,DAY,WEEK,MONTH)	RETURNS DAY, WEEK, AND MONTH OF DATE PASSED INTO IT.
XORS.SUB (ARRAY,TESTARRAY,REUSE,OUTPUT)	Multivalued OR function