

All About The CHOOSE Command





R:BASE eXtreme 9.0 for Windows

All About The CHOOSE Command

by R:BASE Technologies, Inc.

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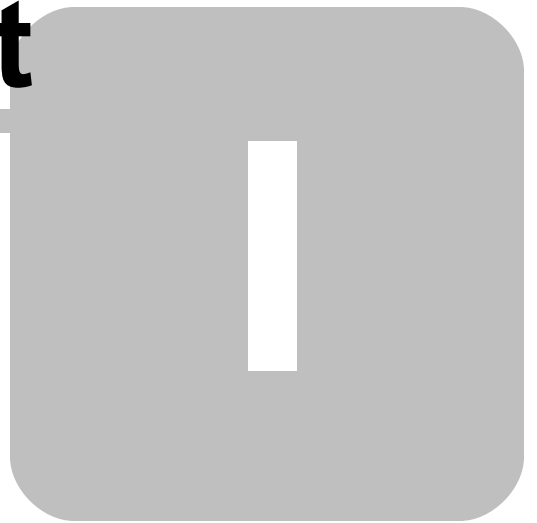
Printed: December 2009 in Murrysville, PA

First Edition

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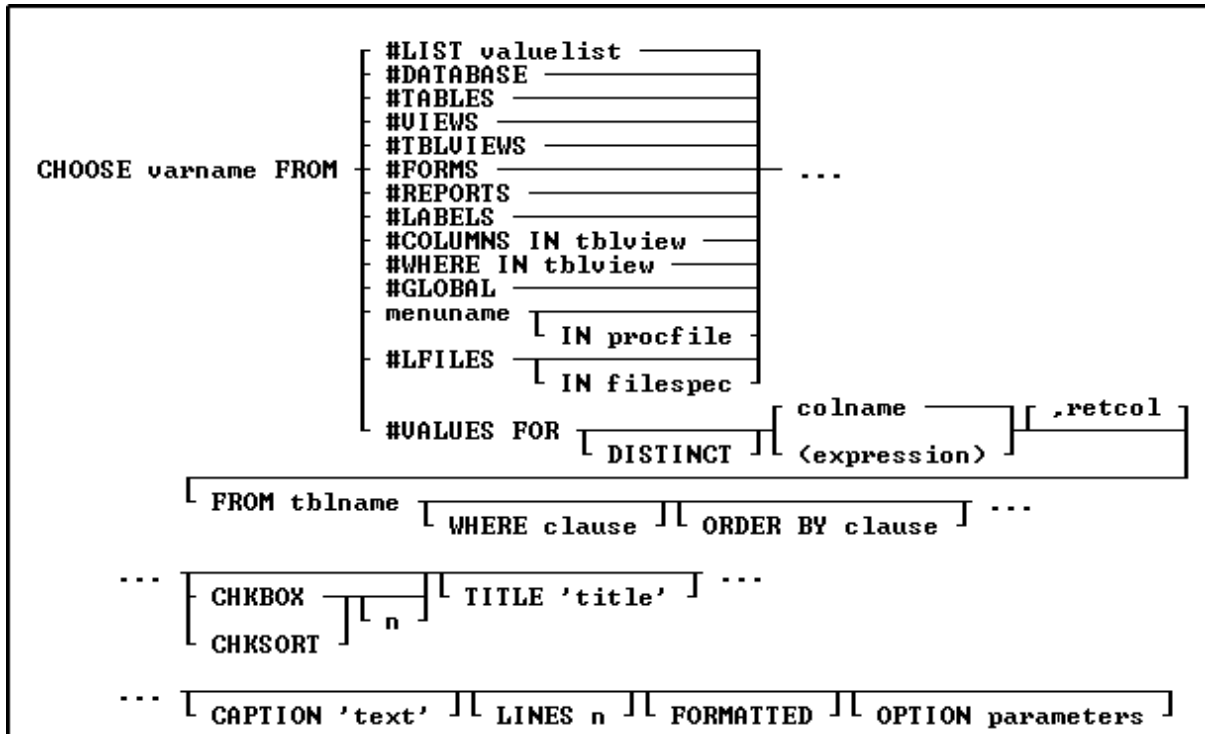
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1 All About The CHOOSE Command

Use the CHOOSE command to display the following types of menus: bar with a pull-down, check-box, pop-up, sort check-box, vertical, or WHERE builder.



Options

#COLUMNS IN tblview

Displays a pop-up menu containing all columns in the specified table or view and stores the chosen column name in the variable varname.

#DATABASE

Displays a pop-up menu containing all databases in the current directory, and stores the chosen database name in the variable varname.

#FORMS

Displays a pop-up menu containing all forms in the open database and stores the chosen form name in the variable varname.

#GLOBAL

Displays a pop-up menu containing currently defined global variables and stores the chosen variable name in the variable varname.

#LABELS

Displays a pop-up menu containing all labels in the open database and stores the chosen label name in the variable varname.

#LFILES IN filespec

Displays all files in the current directory in a pop-up list, unless the IN filespec option is specified. In this latter case, the user may specify a filespec such as *.RTF, and R:BASE will display a pop-up list of all files in the specified directory with the .RTF extension. The chosen file name is stored in the variable varname.

#LIST valuelist

Allows you to specify a list of values in a comma delimited format. You can also use a variable that contains comma delimited values in the command. The group of values MUST be encapsulated in quotes UNLESS a variable is used.

#REPORTS

Displays a pop-up menu containing all reports in the open database and stores the chosen report name in the variable varname.

#TABLES

Displays a pop-up menu containing all tables in the open database and stores the chosen table name in the variable varname.

#TBLVIEWS

Displays a pop-up menu containing all tables and views in the open database and stores the chosen table or view name in the variable varname.

#VIEWS

Displays a pop-up menu containing all views in the open database and stores the chosen view name in the variable varname.

#WHERE IN tblview

Opens the WHERE builder for you to enter conditions for the columns in the specified table or view; stores the entire WHERE clause in the variable varname. Your WHERE Clause conditions can also pre-loaded into the WHERE Builder using the **OPTION WHERE_CLAUSE** parameter.

menuname

A user-defined menu can be stored either in an ASCII disk file or as a menu block in an R:BASE procedure file created by CodeLock. If procf file is used, menuname refers to a procf menu block. If procf is not used, menuname specifies an ASCII disk file containing the menu to be displayed.

#VALUES FOR

Displays a pop-up menu containing values from the specified column or expression and table. Use the (expression) option to display more than one column from the table in the menu, such as (colname1 & colname2).

DISTINCT

Suppresses the display of duplicate rows.

colname

Specifies a column name. In a command, you can enter #c, where #c is the column number shown when the columns are listed with the LIST TABLES command. In an SQL command, a column name can be preceded by a table or correlation name and a period (tblname.colname).

<expression>

Determines a value using a text or arithmetic formula. The expression can include other columns from the table, constant values, functions, or system variables such as #DATE, #TIME, and #PI.

,retcol

Specifies the column whose value is returned into the variable varname. The column does not have to be one of the columns displayed in the menu.

FROM tblname

Specifies the table name.

WHERE clause

Limits rows of data.

ORDER BY clause

Sorts rows of data.

CHKBOX

Displays a menu that limits the number of selections the end user can make.

CHKSORT

Displays a menu that limits the number of selections the end user can make, with support to sort the

selected results.

n

n is an optional positive integer specifying the maximum number of options on that menu that can be checked. If n is zero or is greater than the number of menu options, all options can be checked. If n is unspecified, the default value is zero. The maximum value of n is 9999.

TITLE 'title'

Displays a title in the dialog box

CAPTION 'text'

Displays text in the dialog box title bar

LINES n

Determines the number of lines, n, to display in the list box. The default is 10.

FORMATTED

Displays the CHOOSE box using a mono space font

Additional [OPTION parameters](#)

Additional parameters are available to increase the visual display of the CHOOSE window. To use the graphic CHOOSE Builder, choose "Utilities" > "Plugins" > "Internal Plugins" > "CHOOSE Builder" from the main Menu Bar. All OPTION parameters and values must be separated by the "|" (pipe) character.

Notes:

- CHOOSE will always be displayed at the center of your screen, unless specified using the TOP nn LEFT nn parameters.
- The resulting variable will always be TEXT
- The resulting variable will be left justified without leading spaces.

Example 1:

```
CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 01' LINES 20 FORMATTED
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN
```

Example 2:

```
CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
CHKBOX 1 TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 02' LINES 20 FORMATTED
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
```

```

    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN

```

Example 3:

```

CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 03' LINES 20 FORMATTED +
OPTION List_Font_Color WHITE|List_Back_Color TEAL +
|Title_Font_Color TEAL|Title_Back_Color WHITE +
|Window_Back_Color WHITE|Title_Font_Size 24 +
|Title_Font_Name TIMES NEW ROMAN|Window_Caption
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN

```

Example 4:

```

CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 04' LINES 20 FORMATTED +
OPTION List_Font_Color WHITE|List_Back_Color TEAL +
|Title_Font_Color TEAL|Title_Back_Color WHITE +
|Window_Back_Color WHITE|Title_Font_Size 24 +
|Title_Font_Name TIMES NEW ROMAN|Window_Caption
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN

```

Example 05:

```

CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
CHKBOX 1 TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 05' LINES 20 FORMATTED +
OPTION List_Font_Color WHITE|List_Back_Color TEAL +
|Title_Font_Color TEAL|Title_Back_Color WHITE +
|Window_Back_Color WHITE|Title_Font_Size 24 +
|Title_Font_Name TIMES NEW ROMAN|Window_Caption +
|Buttons_Back_Color WHITE
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN

```

Example 6:

```

CLS
CHOOSE vCustIDTxt FROM #VALUES FOR +
(LJS(Company,40)&CustCity+', '&CustState),CustID +
FROM Customer ORDER BY Company +
CHKBOX 1 TITLE 'Company Name and Location' +
CAPTION 'Colorful CHOOSE Example 06' LINES 20 FORMATTED +
OPTION List_Font_Color WHITE|List_Back_Color TEAL +
|Title_Font_Color TEAL|Title_Back_Color WHITE +
|Window_Back_Color WHITE|Title_Font_Size 24 +
|Title_Font_Name TIMES NEW ROMAN|Window_Caption +
|Buttons_Show_Glyph ON|Buttons_Back_Color WHITE
IF vCustIDTxt IS NULL OR vCustIDTxt = '[Esc]' THEN
    GOTO Done
ELSE
    SET VAR vCustID = .vCustIDTxt
ENDIF
__ Do what you have to do here with the variable CustID
LABEL Done
CLEAR VAR vCustIDTxt, vCustID
RETURN

```

Example 7:

```

CLS
CHOOSE vWhere FOR #WHERE IN Customer +
OPTION THEMENAME R:BASE Rocks! +
|WHERE_CLAUSE WHERE CustState = 'CA' ORDER BY COMPANY
RETURN

```

1.1 OPTION parameters

These parameters can be used to change the "look and feel" of a CHOOSE window. In addition to the parameters below, you can also alter the CHOOSE [Title](#), [List](#), and [Buttons](#).

Parameter	Value	Description
WINDOW_CAPTION	OFF SMALL	Customizes the window caption. The OFF value makes window caption invisible. The SMALL value makes window caption small (tool window).
WINDOW_BACK_COLOR	AQUA BLACK BLUE CREAM DARK GRAY FUCHSIA GRAY GREEN LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	Changes the color of the window background area. User can specify the integer value or type one of the predefined values.
TOP	value	Moves the CHOOSE box location, in pixels, from the top of the screen down.
LEFT	value	Moves the CHOOSE box location, in pixels, from the left of the screen right.
WHERE_CLAUSE	value	Allows you to pre-load a WHERE Clause into the WHERE Builder window when using "#WHERE IN tblview".
SHOW_ALL_BUTTON	ON OFF	Displays a "Select All" button when using the CHKBOX option.
SINGLE_CLICK	ON OFF	Limits the user to select a single option from the displayed list, and then immediately close. This option works only when user can select single item from a list. For multiple item selection this feature will be ignored.
THEMENAME	value	Specifies one of 86 pre-defined Themes, or a custom Theme loaded into R:BASE. NOTE: All previously defined CHOOSE commands which are redefined to use Themes should be thoroughly checked prior to putting into production as objects and text may look substantially different.

1.1.1 Title

These parameters are specific to changing how the CHOOSE "title" is displayed.

Parameter	Value	Description
TITLE_BACK_COLOR	AQUA BLACK BLUE CREAM DARK GRAY	Changes the background color of the title area. User can specify the integer value or use one of the predefined values.

	FUCHSIA GRAY GREEN LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	
TITLE_FONT_NAME	value	Specifies a font name for the title area. Values would consist of the fonts available on the computer.
TITLE_FONT_SIZE	value	Specifies a font size in title area.
TITLE_FONT_COLOR	AQUA BLACK BLUE CREAM DARK GRAY FUCHSIA GRAY GREEN LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	Changes the font color of the title area. User can specify the integer value or type one of the predefined names.
TITLE_BOLD	ON OFF	Makes font in title area bold style.
TITLE_ITALIC	ON OFF	Changes the font in title area italic style.
TITLE_UNDERLINE	ON OFF	Changes the font in title area underlined.
TITLE_STRIKEOUT	ON OFF	Makes the font in title area strikeout.

1.1.2 List

These parameters are specific to changing how the CHOOSE "list" is displayed.

Parameter	Value	Description
LIST_BACK_COLOR	AQUA BLACK BLUE CREAM DARK GRAY FUCHSIA GRAY GREEN	Changes the background color of the list area. User can specify the integer value or type one of the predefined values.

	LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	
LIST_FONT_NAME	value	Specifies a font name in the list area. Values would consist of the fonts available on the computer.
LIST_FONT_SIZE	value	Specifies a font size in the list area.
LIST_FONT_COLOR	AQUA BLACK BLUE CREAM DARK GRAY FUCHSIA GRAY GREEN LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	Changes font color of the list area. User can specify the integer value or type one of the predefined values.
LIST_BOLD	ON OFF	Makes the font in the list area bold style.
LIST_ITALIC	ON OFF	Makes the font in the list area italic style.
LIST_UNDERLINE	ON OFF	Makes the font in the list area underlined.
LIST_STRIKEOUT	ON OFF	Makes the font in the list area strikeout

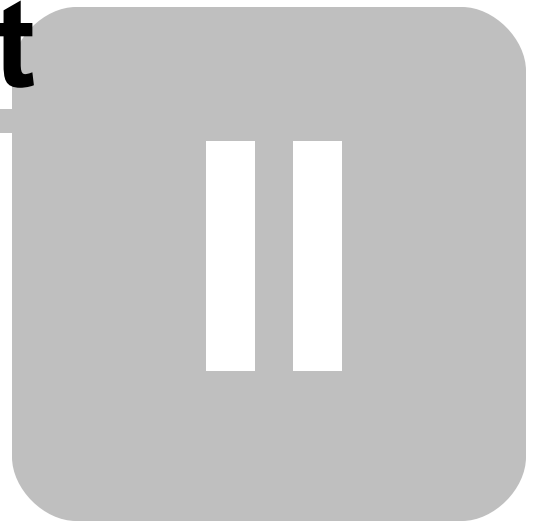
1.1.3 Buttons

These parameters are specific to changing how the CHOOSE "buttons" is displayed.

Parameter	Value	Description
BUTTON_OK_CAPTION	value	Changes the caption for the "OK" button.
BUTTON_CANCEL_CAPTION	value	Changes the caption for the "Cancel" button.
BUTTONS_SHOW_GLYPH	ON OFF	Places images on the OK and Cancel buttons.
BUTTONS_BACK_COLOR	AQUA BLACK BLUE CREAM DARK GRAY FUCHSIA GRAY	Changes the color of the button area. User can specify the integer value or type one of the predefined values.

	GREEN LIME LIGHT GRAY MAROON MEDIUM GRAY MINT GREEN NAVY OLIVE PURPLE RED SILVER SKY BLUE TEAL WHITE YELLOW	
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Part



2 Feedback

Suggestions

From time to time, everyone comes up with an idea for something they'd like to add. If you come across an idea that you think might make a nice addition to this document, your input is always welcome.

Please submit your suggestion to our R:BASE Developers' Corner Crew (R:DCC) email address at: rbg9rdcc@rbase.com. Describe what you think might make a nice enhancement.

Unless additional information is needed, you will not receive a direct response.

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