# **Popup Function**

## Description

Displays tabular data and allows user selection.

Note: As of Version 4.1.3, the popup() function has been modified to sort dates and any other output converted data correctly.

### Syntax

result = Popup (ownerwindow, typeoverride[, name])

## Parameters

The Popup function has the following parameters:

Parameter	Description					
ownerwindow	Contains the name of the window from which to display the specified popup, typically @WINDOW. Note: When using an MDIFrame, the ownerwindow will always be the frame regardless of the value passed to the variable. Caution: If there is no window, Popup will use the screen. In this case, there is no modality and no values will be returned to your program.					
typeoverride	An @fm-delimited record containing the specification for the Popup, or override information if name is supplied.					
name	The name of the Popup stored in the repository, or null if the entire Popup definition is being passed in typeoverride.					

A popup can be called either by

```
Repository("EXECUTE", popupentID, window [, typeoverride]);
- OR -
Popup (window, typeoverride, popupname).
```

#### **Record structure**

These column positions are defined in the POPUP\_EQUATES insert record.

Column position	Name	Description			
1	col	The X position (in pixels) of the popup relative to its calling window, ownerwindow. If set to -1, the popup will center itself in ownerwindow. If set to -2, it will center itself on the screen. The default is -1.			
2	row	The Y position (in pixels) of the popup relative to its calling window, ownerwindow. If set to -1, the popup will center itself in ownerwindow. If set to -2, it will center itself on the screen. The default is -1.			
3	width	The number of visible columns in the popup window. Scroll bars will allow the user to access all other "cells" not shown within the confines of the popup window. A -1 will cause the popup to have a width equal to the total number of columns. Default is -1.			
4	height	The number of visible rows in the popup window. Scroll bars will allow the user to access all other "cells" not shown within the confines of the popup window. A -1 will cause the popup to have a height equal to the total number of rows. Default is -1.			
5	bkcolor	Background color. An RGB @VM-delimited list is used (for example 255:@VM:0:@VM:0 is red, 0:@VM:255:@VM:0 is green).			
6	font	The font to be used in the edit table. For more information on this @svm-delimited structure, see Utility("CHOOSEFONT") and the FONT property.			

7	file	Data source information; mode specific.				
		mode	Value		Description	
		C, F,				
		K, R,				
		т				
		D	<7, 1>	DataSet name.		
			e for the Popup).			
		Ν	<7, 1>	Database name.		
			<7, 2>	n		
	<7, 3> @SVM-delimited list of forms/views.					
			<7, 4>	For the form or view specified by <	<7,3,i>, an @TM-delimited list fields or	columns is specified in <7,4,i>.
		L		not applicable		
8	display	Determine	es what information will be displayed; mode specific.			
		mode		Value		Description
		С				Cursor number 0-9 (0 is default).
		D	<8, 1>		@SVM-delimited list of argument values.	
						@SVM-delimited list of corresponding argument names.
			<8, 2>			If names are not supplied then argument numbers are assumed by position of argument values.
		F	<8, 1>			OpenInsight Table Key.
			<8, 2>			Field Number.
			@VM-deli	imited list of OpenInsight Table Key		
		L	@VM/@S	SVM-delimited array of literal data.		
			@VM- (as function" i example " Contacts_	s opposed to @FM) delimited Searc in Programmer's Reference Manual 'Select @all"; - OR - "USE" ViewNa _by_Company".	hInfo record. (See "OpenNote() for details); - OR - Select script; for me; for example "Use	
		R OpenInsight Table Key.				
		Т	Rlist selection and sorting criteria; for example "WITH COST < 100.00 BY COST".			
9	format	An @VM/	n @VM/@SVM-delimited array of format information.			
		Para	meter	Description		
		Field		Column name or number.		
		Width		Width of column (of characters).		
	1		lication	L, R, or C.		
		heading	justification	L, R, or C		
		Oconv		Output conversion pattern.		
		Heading		Heading text of column.		

10	mode	Specifies how the Popup gets its data.				
		mode	Description			
		C T	he popup row corresponds to a record retrieved from a Native Tables cursor.			
		D T	The popup row corresponds to a DataSet row.			
		F 1	he popup row corresponds to a value in a multi-valued field in an Native Tables record.			
		κ	he popup row corresponds to a Native Tables record identified by the passed Key.			
		L	he popup row corresponds to an @SVM-delimited array element of display.			
		N	he popup row corresponds to a Lotus Notes document.			
		R	he popup row corresponds to a field from the specified table.			
		T T	he popup row corresponds to a Native Tables record selected using Rlist.			
11	select	Specifies ho	v many items the user can choose.			
		Value	Description			
		1 0	lo selection.			
		1 (	Dne selection (default).			
		2	Aultiple selections.			
		3 (	Ordered multiple selections.			
12	title	Caption for the	ne Popup.			
13	field	Used to retur	Used to return a field from a Native table or DataSet; used with type C or F.			
		type This defines the return type of the Popup.				
14	type	This defines	the return type of the Popup.			
14	type	This defines Paramete	the return type of the Popup.  Description			
14	type	This defines Paramete C	the return type of the Popup.           Description           Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.			
14	type	This defines Paramete C E	Description         Description         Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.         Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).			
14	type	This defines Paramete C E F	the return type of the Popup.         r       Description         Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.         Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).       Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.			
14	type	This defines Paramete C E F K	the return type of the Popup.rDescriptionrColumn. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.REntire row. Entire row is returned. (Multiple rows are delimited by @FM.).Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).			
14	type	This defines Paramete C E F K	the return type of the Popup.rDescriptionrColumn. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.rEntire row. Entire row is returned. (Multiple rows are delimited by @FM.).Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed). The Notes document ID is returned if the mode is N.			
14	type	This defines Paramete C E F K P	<ul> <li>the return type of the Popup.</li> <li>Description</li> <li>Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.</li> <li>Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).</li> <li>Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.</li> <li>Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).</li> <li>The Notes document ID is returned if the mode is N.</li> <li>Row position. Row numbers of selected data are returned (@VM-delimited list if multiple selections allowed).</li> </ul>			
14	type	This defines Paramete C E F K P R	<ul> <li>the return type of the Popup.</li> <li>Description</li> <li>Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.</li> <li>Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).</li> <li>Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.</li> <li>Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).</li> <li>The Notes document ID is returned if the mode is N.</li> <li>Row position. Row numbers of selected data are returned (@VM-delimited list if multiple selections allowed).</li> <li>Read only. No value is returned.</li> </ul>			
14	type colhdr	This defines Paramete C E F K P R (Boolean) If	<ul> <li>the return type of the Popup.</li> <li>Description</li> <li>Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.</li> <li>Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).</li> <li>Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.</li> <li>Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).</li> <li>The Notes document ID is returned if the mode is N.</li> <li>Read only. No value is returned.</li> </ul>			
14 15 16	type colhdr rownum	This defines          Paramete         C         E         F         K         P         R         (Boolean) If         (Boolean) If	the return type of the Popup.          Description         Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.         Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).         Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.         Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).         The Notes document ID is returned if the mode is N.         Read only. No value is returned.         RTWE, the column headings are visible on the Popup's edit table. Defaults to TRUE.			
14 15 16 17	type colhdr rownum rowbtn	This defines          Paramete         C         E         F         K         P         R         (Boolean) If         (Boolean) If         (Boolean) If	the return type of the Popup.          Description         Column. Data from column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column name (from the dictionary) or a number (as a column number in the row). Use C when you want to return data that is not displayed in the popup, but is part of each row.         Entire row. Entire row is returned. (Multiple rows are delimited by @FM.).         Popup field. Data from Popup column field are returned (@VM-delimited list if multiple selections allowed). field specifies a column number from the actual displayed data; i.e. column 1 is the first column in the Popup.         Row key. row key(s) of selected data (@VM-delimited list if multiple selections allowed).         The Notes document ID is returned if the mode is N.         Read only. No value is returned.         RTWE, the column headings are visible on the Popup's edit table. Defaults to TRUE.         RTWE, the row buttons are visible on the Popup's edit table. Defaults to TRUE.			
14 15 16 17 18	type colhdr rownum rowbtn hgrid	This defines          Paramete         C         E         F         K         P         R         (Boolean) If <sup>1</sup> (Boolean) If <sup>1</sup> (Boolean) If <sup>1</sup> (Boolean) If <sup>1</sup>	the return type of the Popup.          Image: the return type of the Popup.         Image: the the return type of the Popup.			
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14 15 16 17 18 19 20 21 22	type type colhdr counum rowbtn hgrid vgrid resize border btnsbel ow	This defines          Paramete         C         E         F         K         P         R         (Boolean) If <sup>-1</sup>				

24	sort	(Boolean) If TRUE, allows column sorting. Defaults to FALSE. Note: Right justified columns are sorted right-justified, all others are sorted left-justified.				
25	lock	The numb	The number of columns set to "scroll lock." Defaults to 0.			
26	user- defined	This column reserved for user-defined information; it is not set or altered by Popup Designer.				
27	subfile	Secondary data source information; mode specific.				
		mode	Value	Description		
		D	<27, 1>	DataSource name.		
			<27, 2>	Connection Object handle (Supplied at runtime).		
28	initselect	@VM list o	@VM list of row numbers to initially select when the Popup is executed.			
29	showmi ssing	(Boolean) If TRUE, show the phrase 'Record Missing' in columns.				
30	print	(Boolean) If TRUE, show the print button.				
31	showGa uge	(Boolean) If TRUE, display a gas gauge message when the system is populating the popup.				
32	capture Esc	(Boolean) If TRUE, return CHAR(27) when the Cancel button in the Popup window is clicked.				

#### Notes

For a Popup with mode D, when the Popup is executed it determines what data source to use in this order.

1. If a DataSet handle is passed in <7, 2> (file), then that DataSet is used.

2. If a Connection Object handle is passed in <27, 2> (subfile), then the DataSet is created and executed using that handle.

3. If a DataSource name is passed in <27, 1> (subfile), then a connection handle is created for that DataSource name using XOInstance and that handle is used to create and execute the DataSet.

Otherwise, the DataSource name specified in the DataSet Designer is used to create a connection which in turn is used to create and execute the DataSet passed in <7, 1> (File).

#### See also

POPUP\_EQUATES (Insert record).