
Panorama X
Developer Certification Training
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Fundamentals of Procedures

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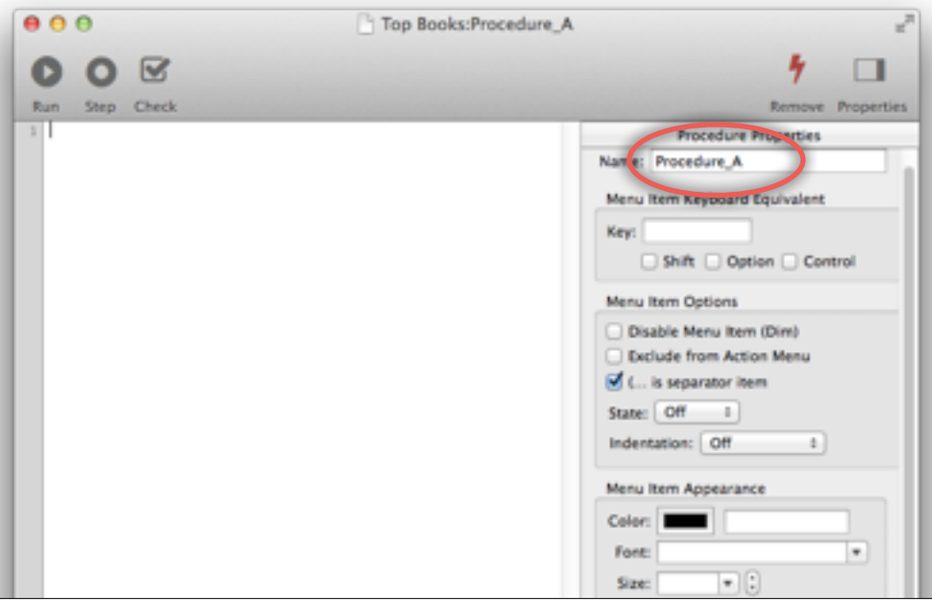
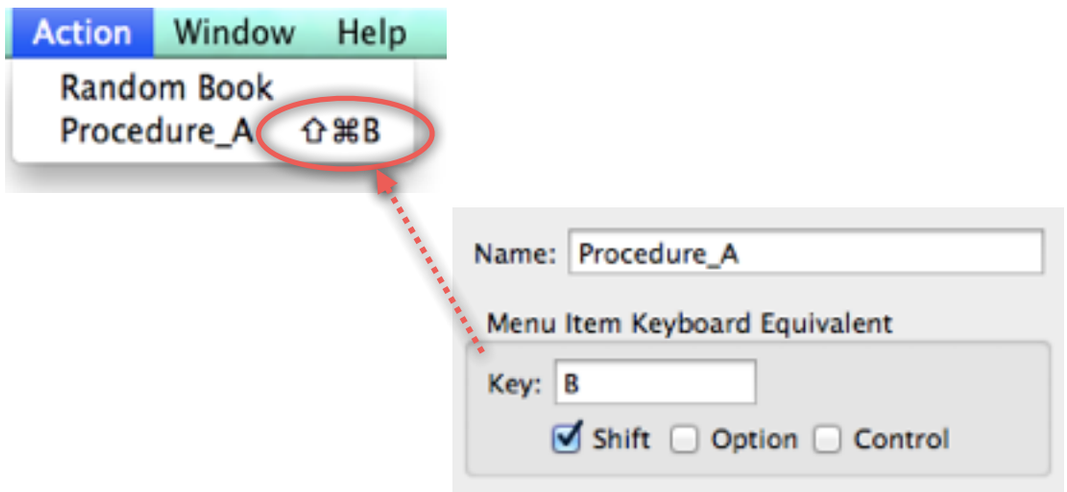
New Procedure & Properties Panel



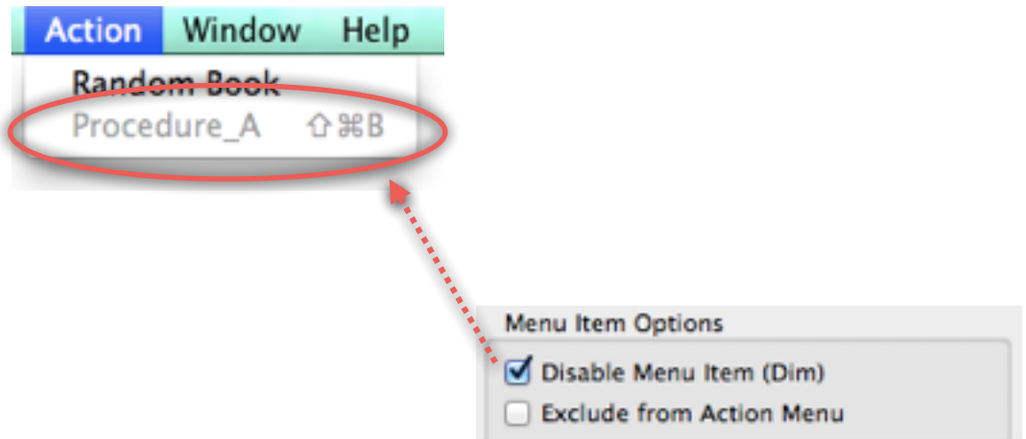
Use New Procedure in the View menu to create a new procedure
You don’t have to give a new procedure a name, you can just start using it.
Use View Organizer to put it in a specific spot

Command Key Equivalents



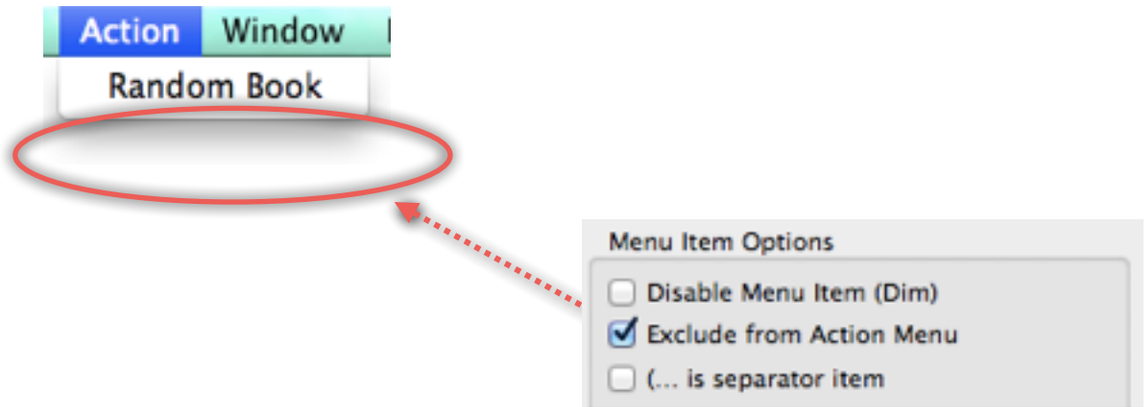
In Panorama X, Command key equivalents are set up in the property inspector instead of with special suffixes on the procedure name.
Also you can use the Shift, Option and/or Control keys with Command Key equivalents

Disabled Menu Items



Check option to disable menu item

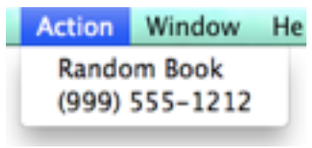
Excluding a Procedure from the Menu

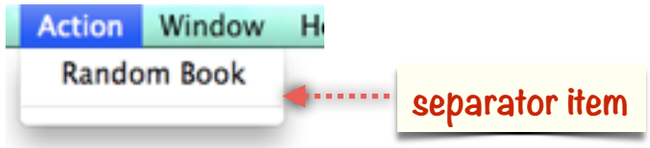


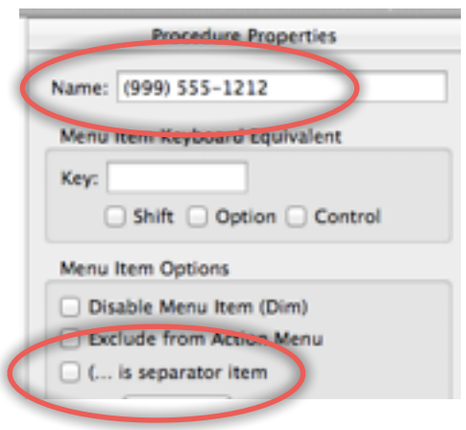
Check option to exclude procedure from menu

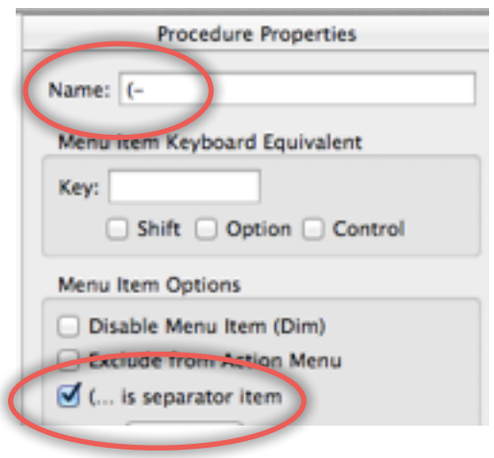
Starting the procedure name with a period also excludes item, as it did before

( ) and Menu Separator Items







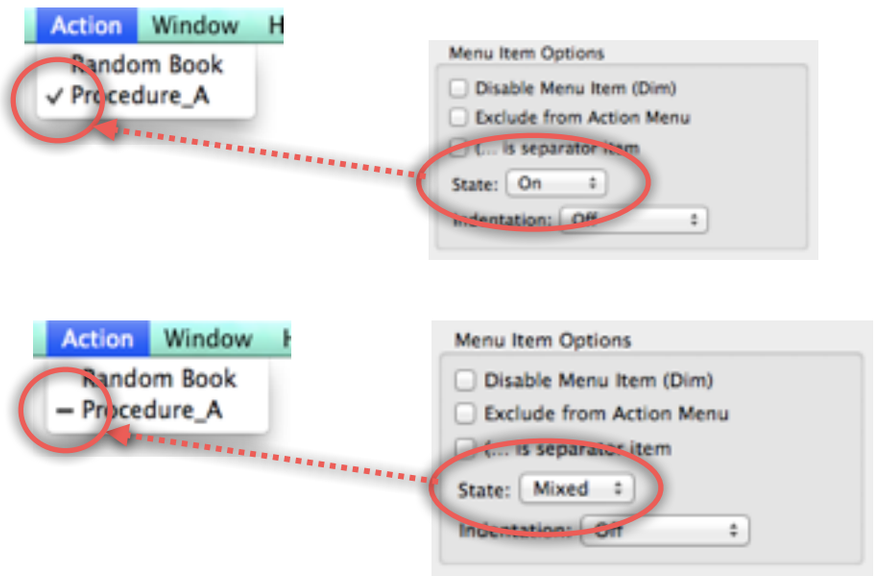


Uncheck option to allow (and) in menu item

Check option and (-, (—, (—- etc. are separator items

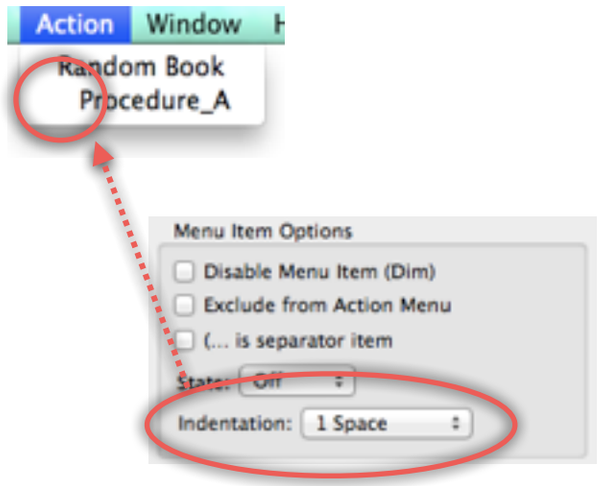
(...) is a new menu

Menu Item State



Not that useful in the *Action* menu, but you can change this in a procedure with the *setprocedureoptions* statement.

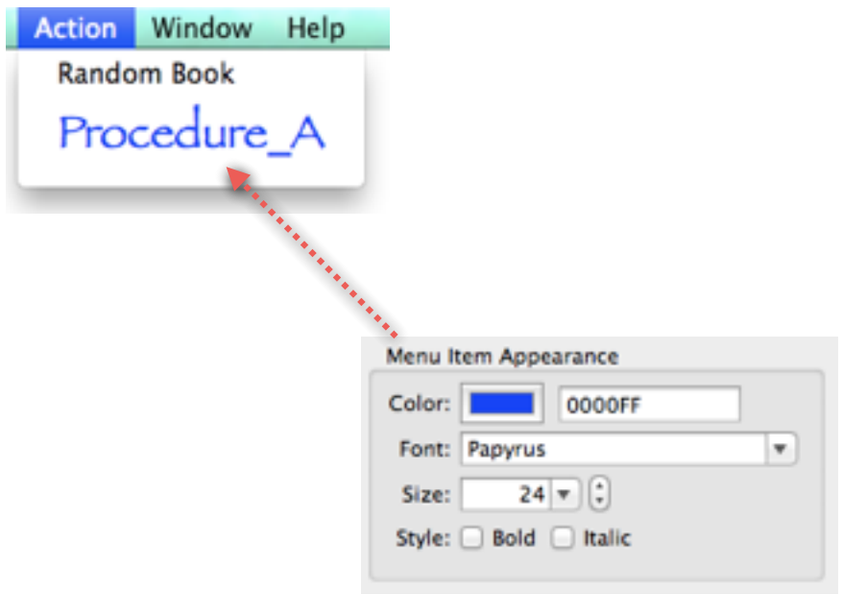
Menu Indentation



Menu items can be indented from 1 to 8 spaces.

Procedure name doesn't change — no space in front of procedure name

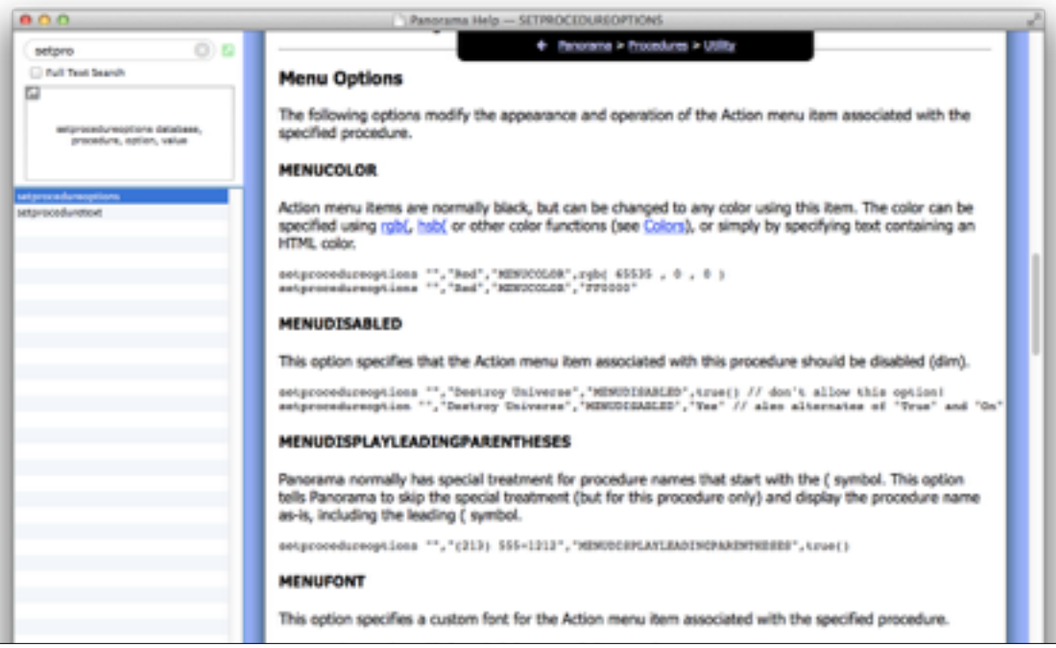
Menu Font, Style & Color



Each menu item can have separate font, style and color

Bug: Clicking on color box doesn't work right now, you have to type in the hex value of the color.

Programming the Action Menu

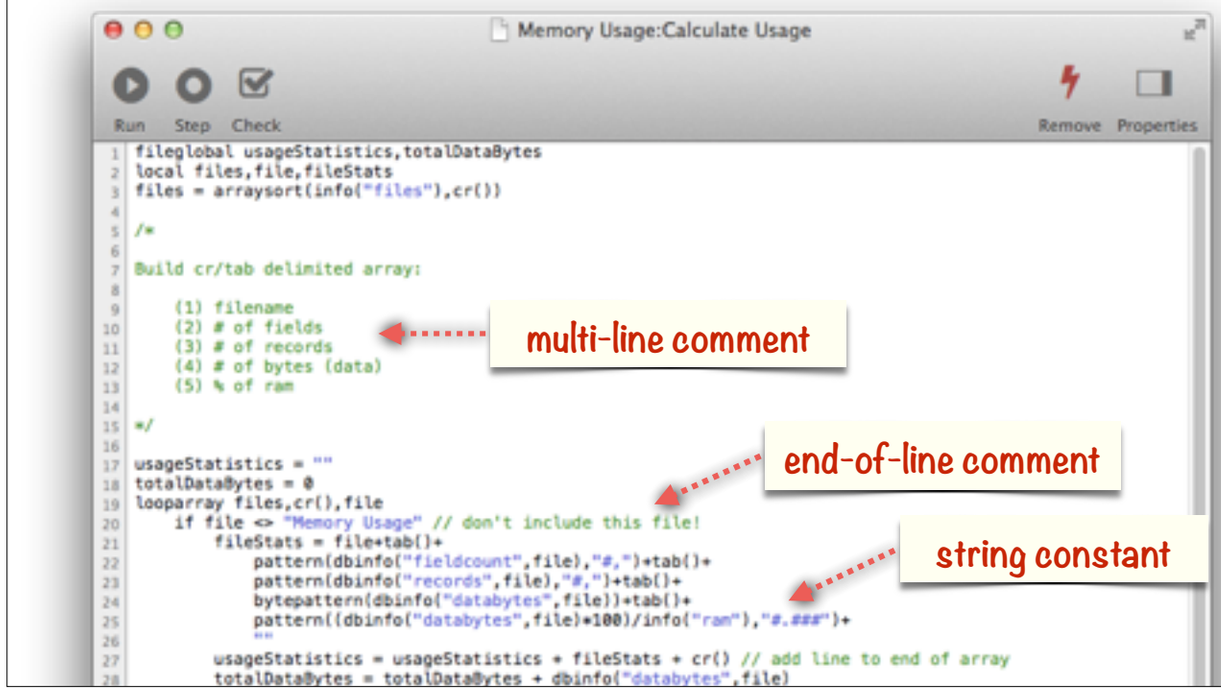


All of these options can be programmed with the *setprocedureoptions* statement.

I won't say anything more about that at this time, except that this is generally true — *anything* that can be done in the Panorama X user interface can be programmed.

If you really want fully custom and dynamic menus, use Live Menus, which will be discussed later.

Syntax Coloring




```
fileglobal usageStatistics,totalDataBytes
local files,file,fileStats
files = arraysort(info("files"),cr())

/*

Build cr/tab delimited array:

    (1) filename
    (2) # of fields
    (3) # of records
    (4) # of bytes (data)
    (5) % of ram

*/

usageStatistics = ""
totalDataBytes = 0
looparray files,cr(),file
    if file <> "Memory Usage" // don't include this file!
        fileStats = file+tab()+
            pattern(dbinfo("fieldcount",file),"#,")+tab()+
            pattern(dbinfo("records",file),"#,")+tab()+
            bytepattern(dbinfo("databytes",file))+tab()+
            pattern((dbinfo("databytes",file)*100)/info("ram"),"#.###")+
            ""
        usageStatistics = usageStatistics + fileStats + cr() // add line to end of array
        totalDataBytes = totalDataBytes + dbinfo("databytes",file)
```

Text is automatically colored as it is edited (you cannot control the coloring)

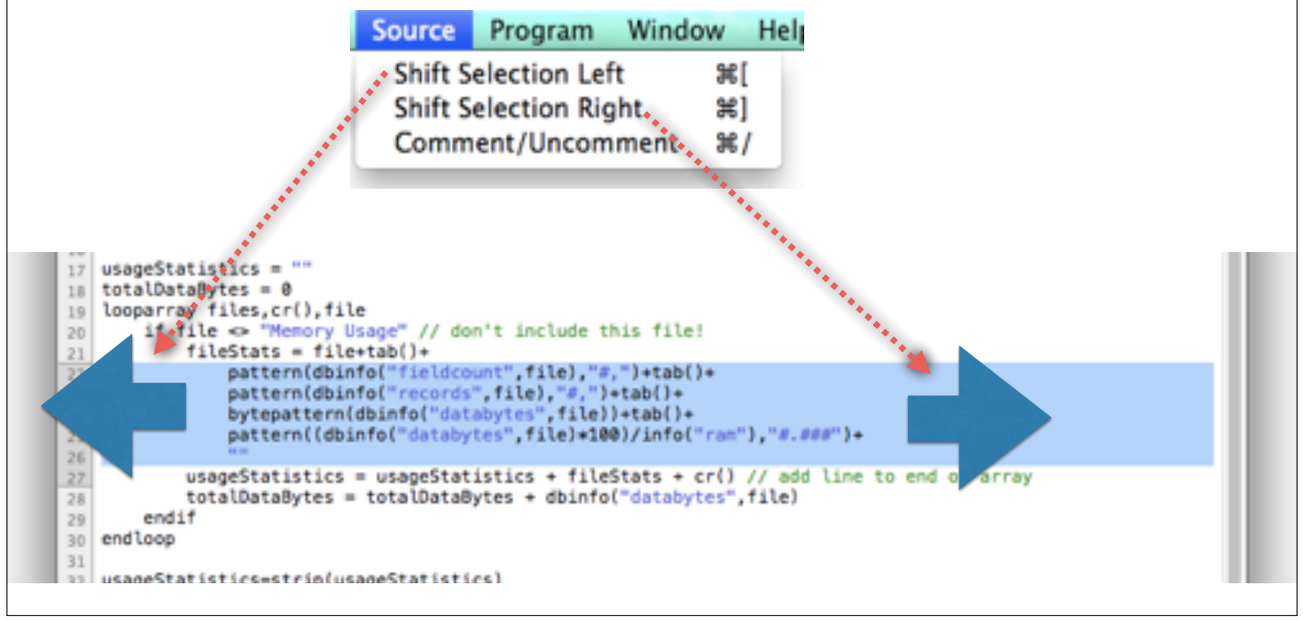
- green for comments
- blue for string constants

some bugs, especially when editing multi-line comments

- close and re-open window to fix it up

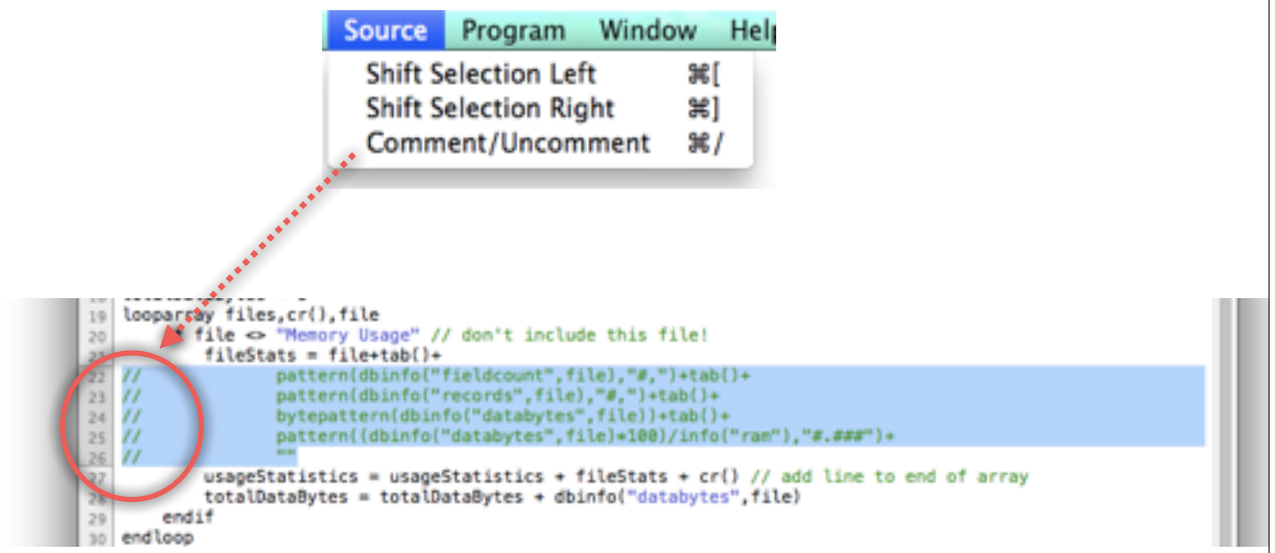
can be fooled by special characters, for example /* in a string

Indenting



This is not new, but I think many people don't know about it
You can easily shift a block of text left or right 4 spaces
I recommend using indentation to make program structure clear
indent for if/loop etc.
DEMO

“Commenting Out” a Section of Code



Again, this is not new, but I think many people don’t know about it
You can easily temporarily remove a section of code, then put it back.

Code Everywhere

- Procedures
- Fields
- Graphic Objects
- Menus
- Formulas
- Hotkeys
- Timers
- Notifications

Panorama X allows for code just about anywhere, not just in standard procedures.

- A field can contain code that is executed when data is entered
- A graphic object can contain code that is executed when it is clicked
- A menu can contain code that is executed when it is selected (popup menus also)
- A formula can contain code with the executelocal(function
- A timer contains code that is executed after a delay or at specific intervals
- A notification can contain code that is executed when you click on a notification

All of these will be covered in detail later

Fundamentals of Procedures

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