CMPE-013/L

MPLAB X Instructions

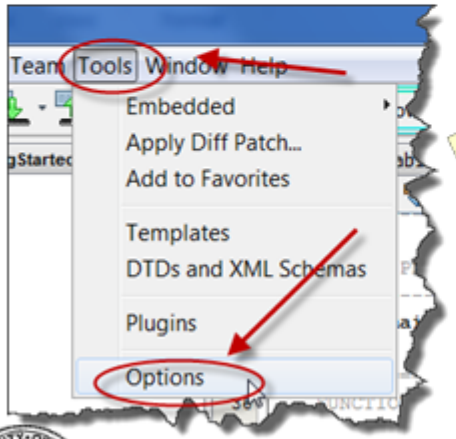
Max Lichtenstein

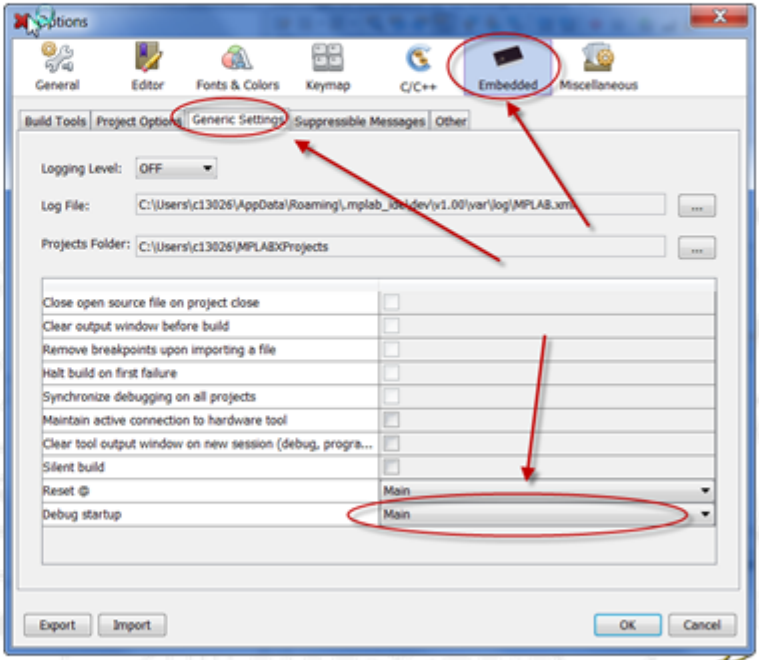
based on slides from Maxwell James Dunne

Setting up the IDE

Configuring the Simulator

Set the Debug simulator to wait at the beginning of the main() function





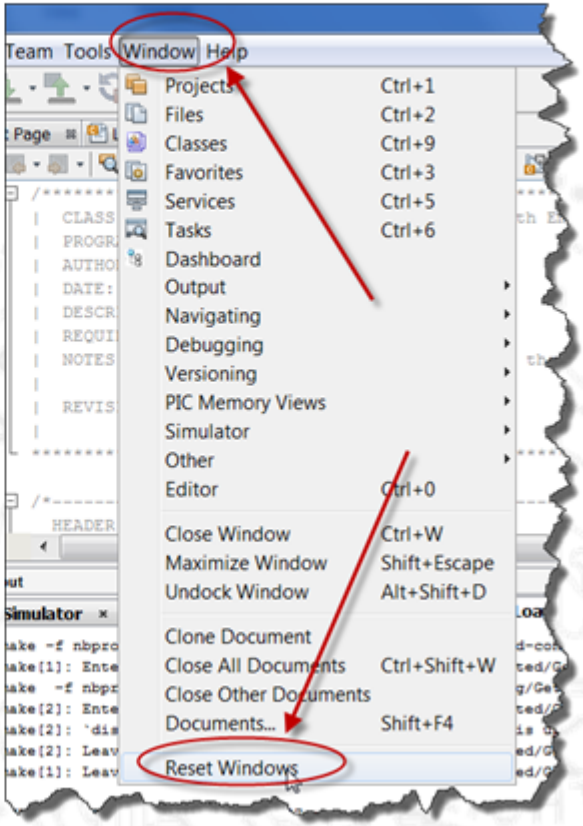
Resetting MPLAB® X windows

As you will see MPLABX has numerous adjustable windows. New MPLABX users can get a little confused about where and how the set the windows.

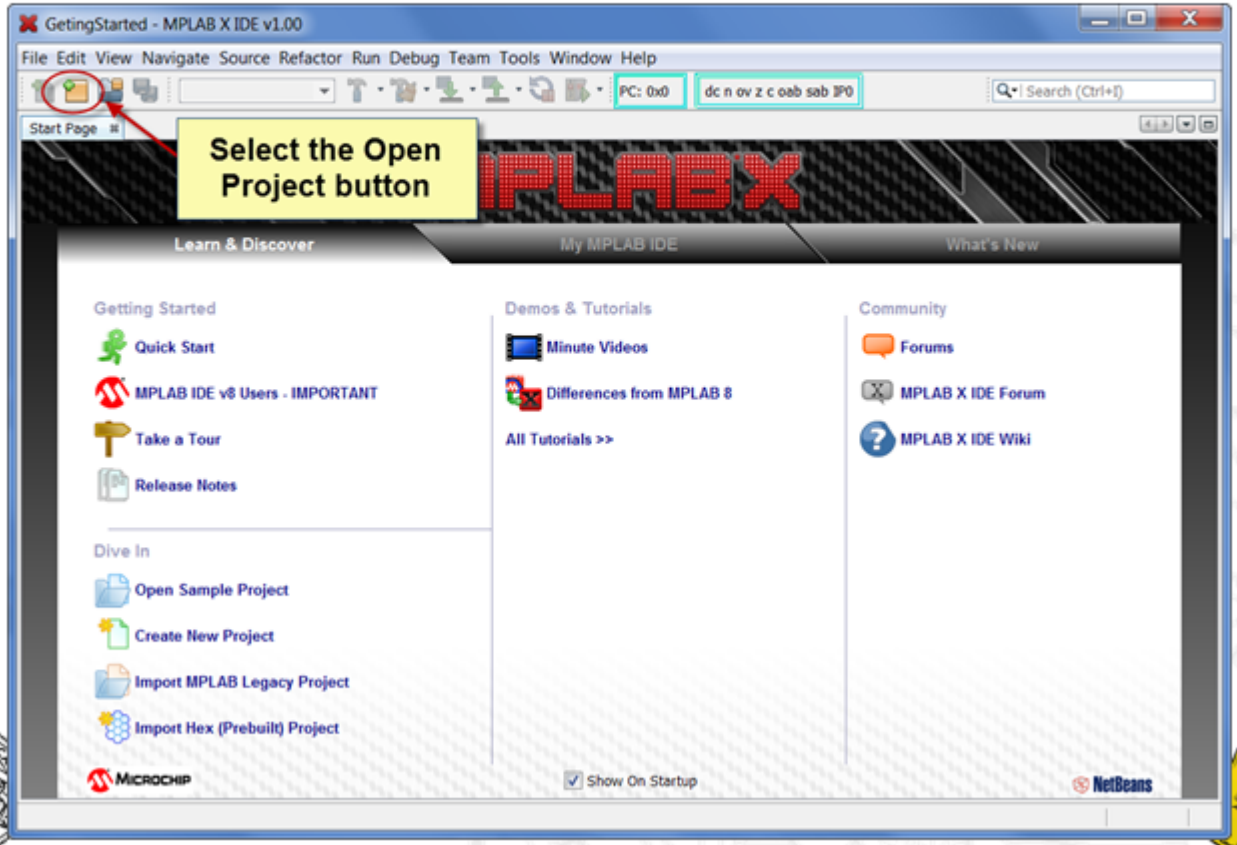
If you get confused

Windows -> Reset Window

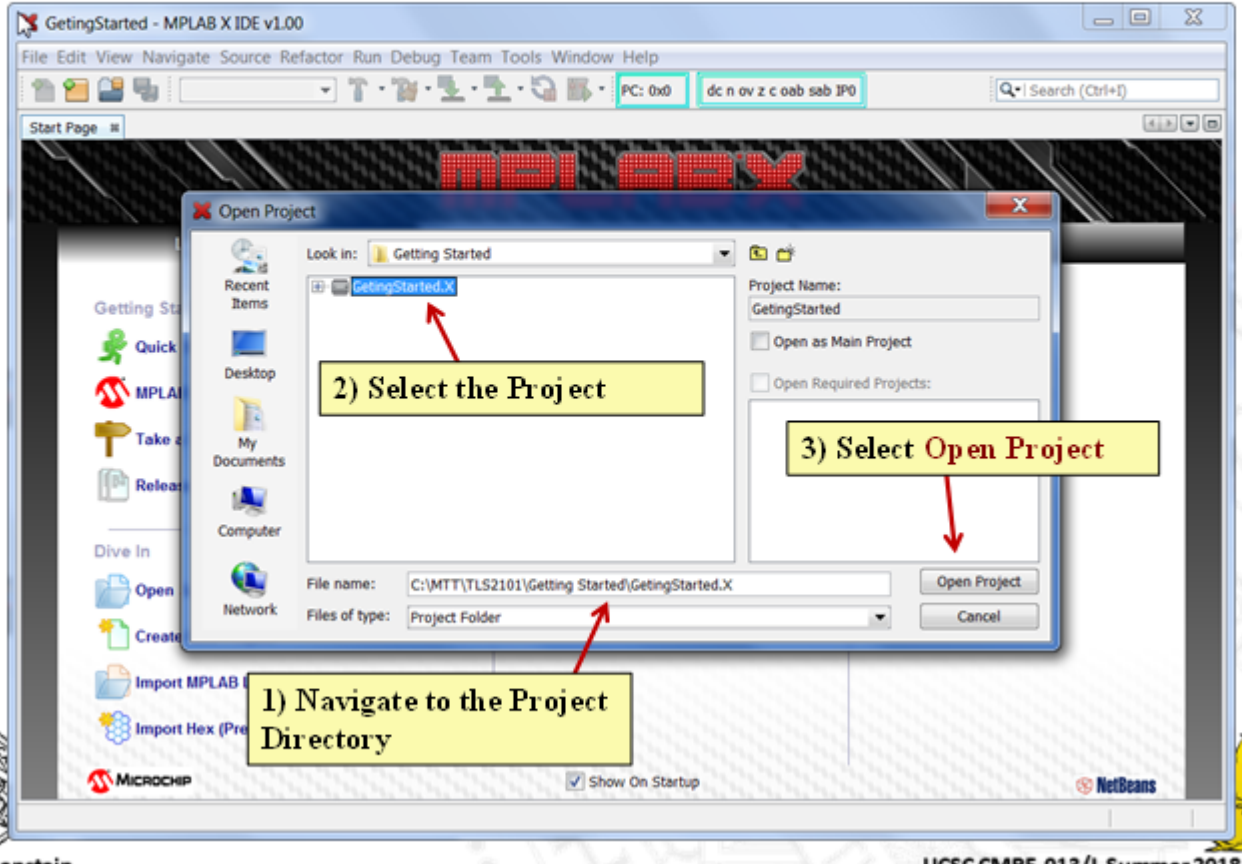
Restores MPLABX Windows back to their original locations



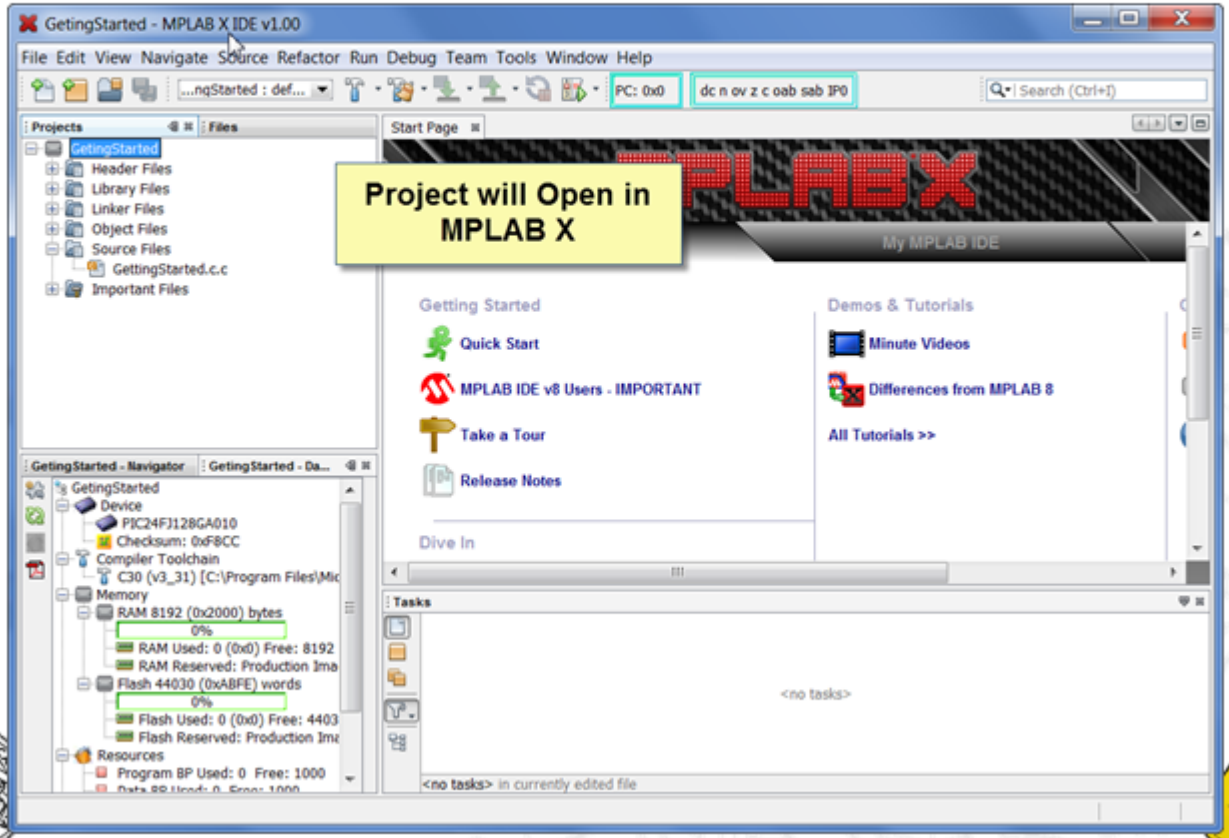
Opening a Project



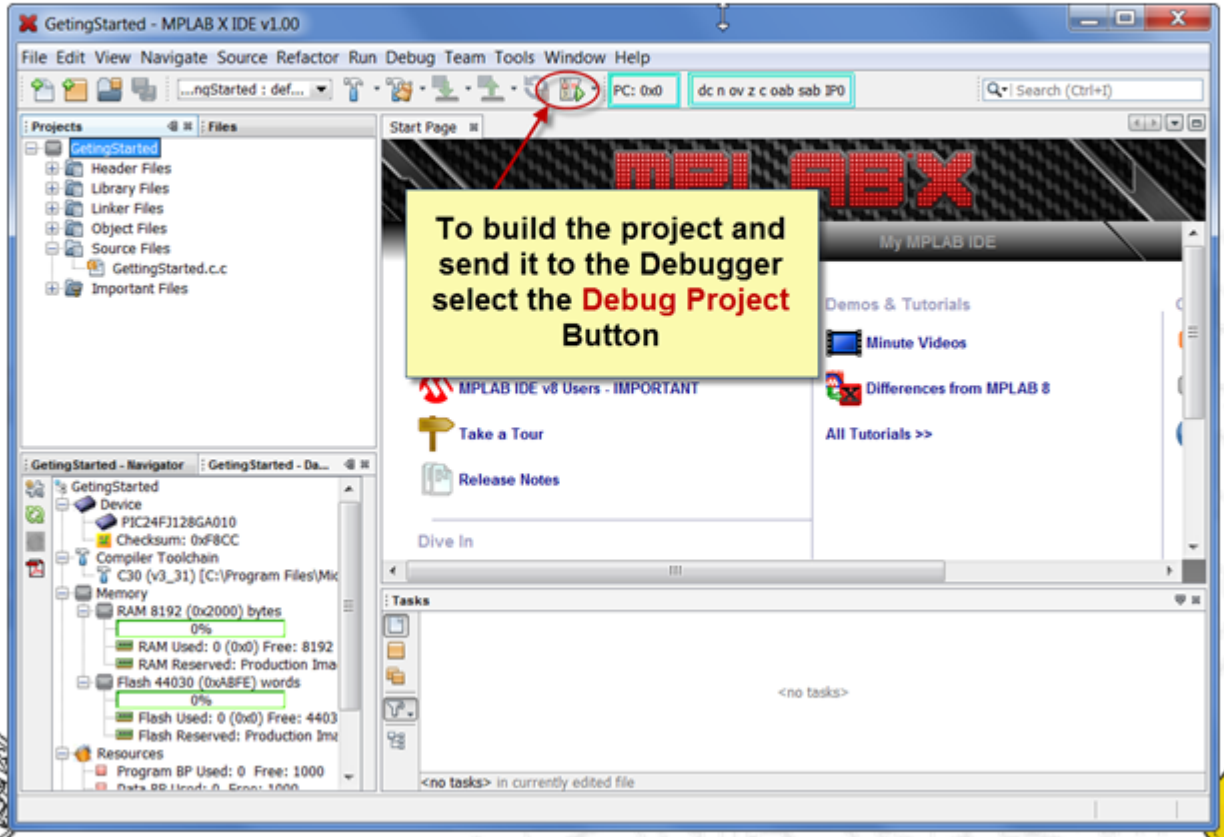
Opening a Project



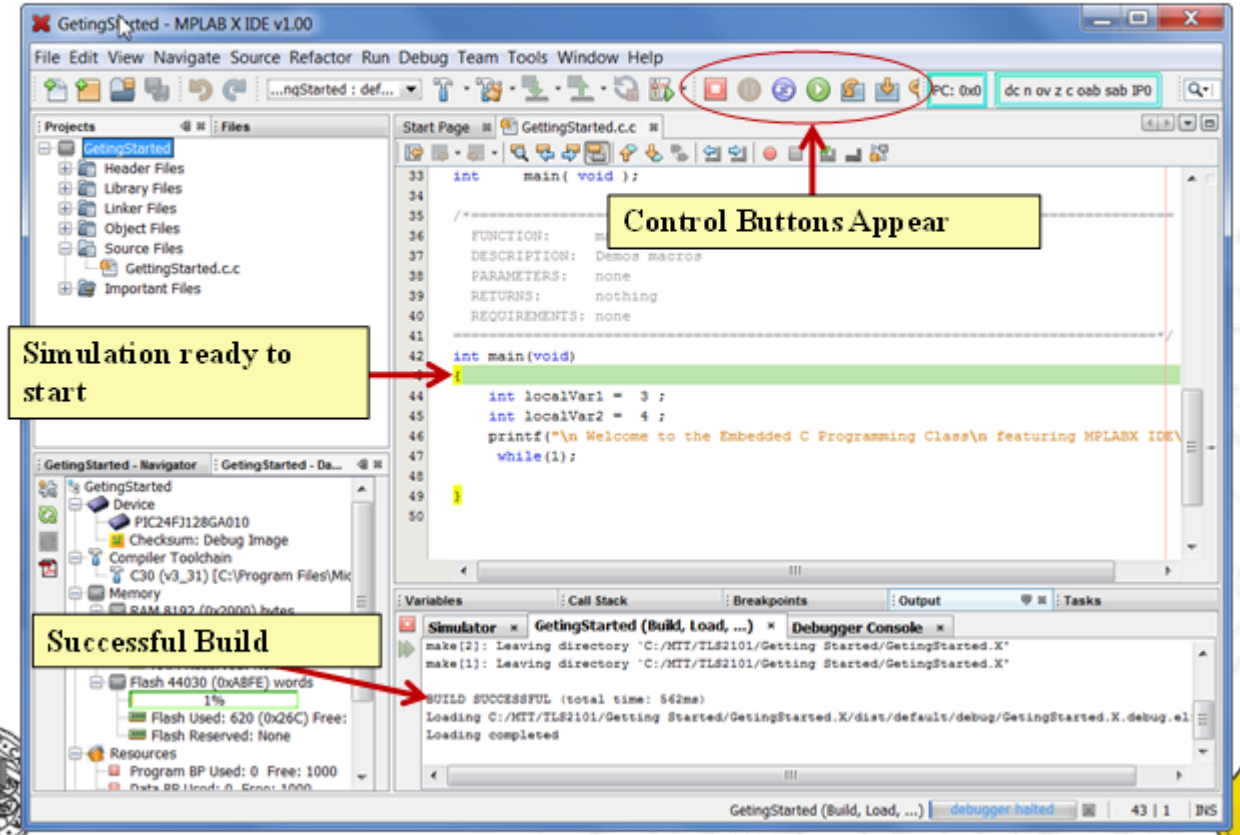
Opening a Project



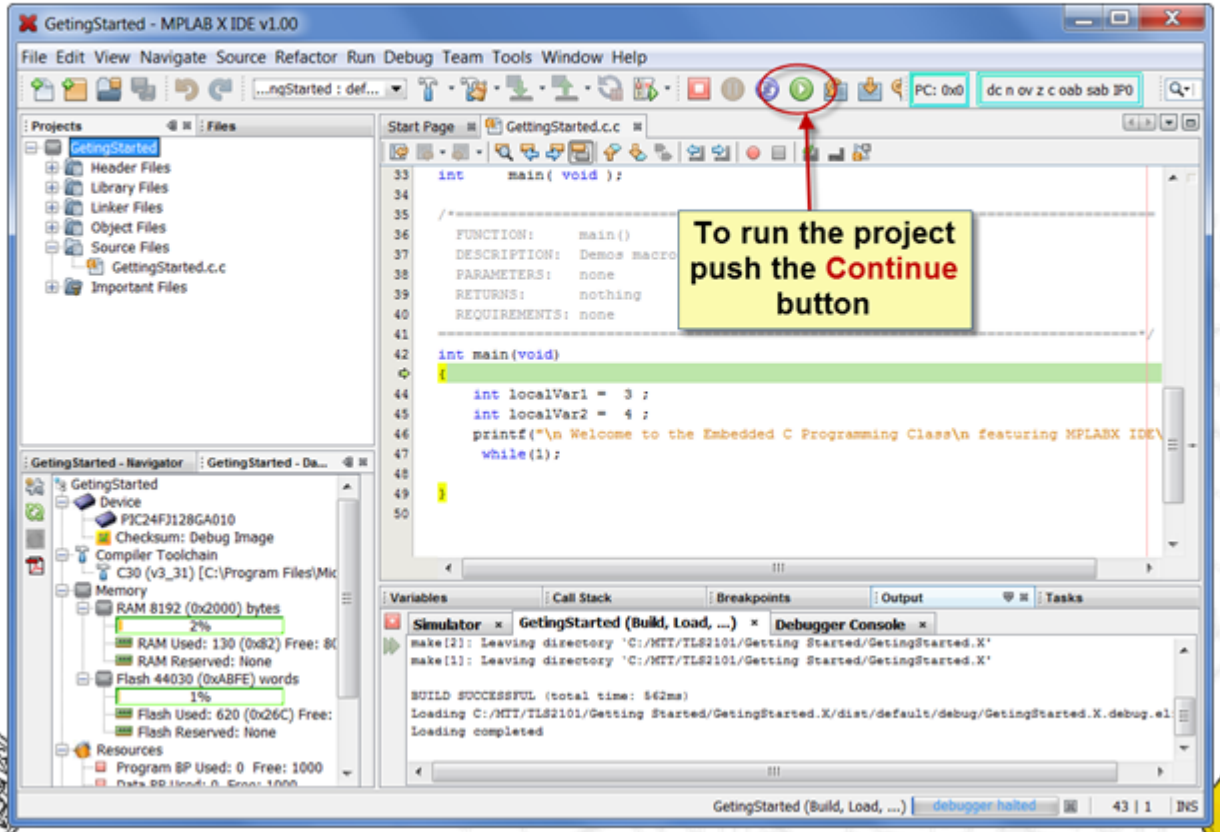
Building a Project



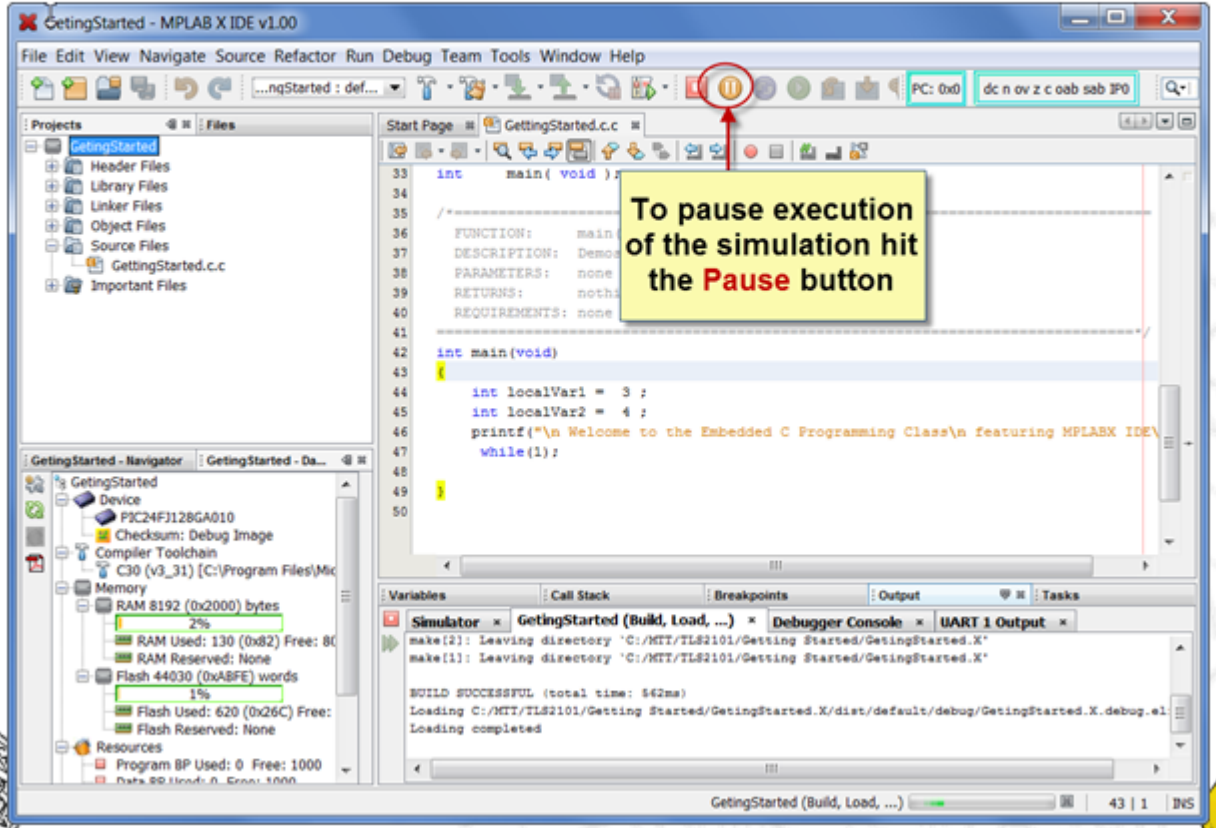
Building a Project



Running the Simulation



Pausing the Simulation



Windows used in Examples

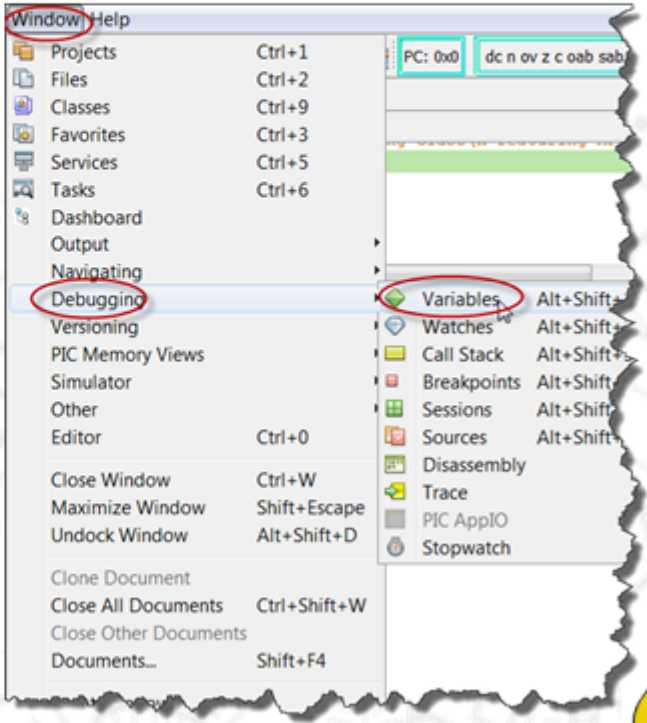
Variables Window

Variable Window displays a particular set of program variables

To Open the Variables window:

Select:

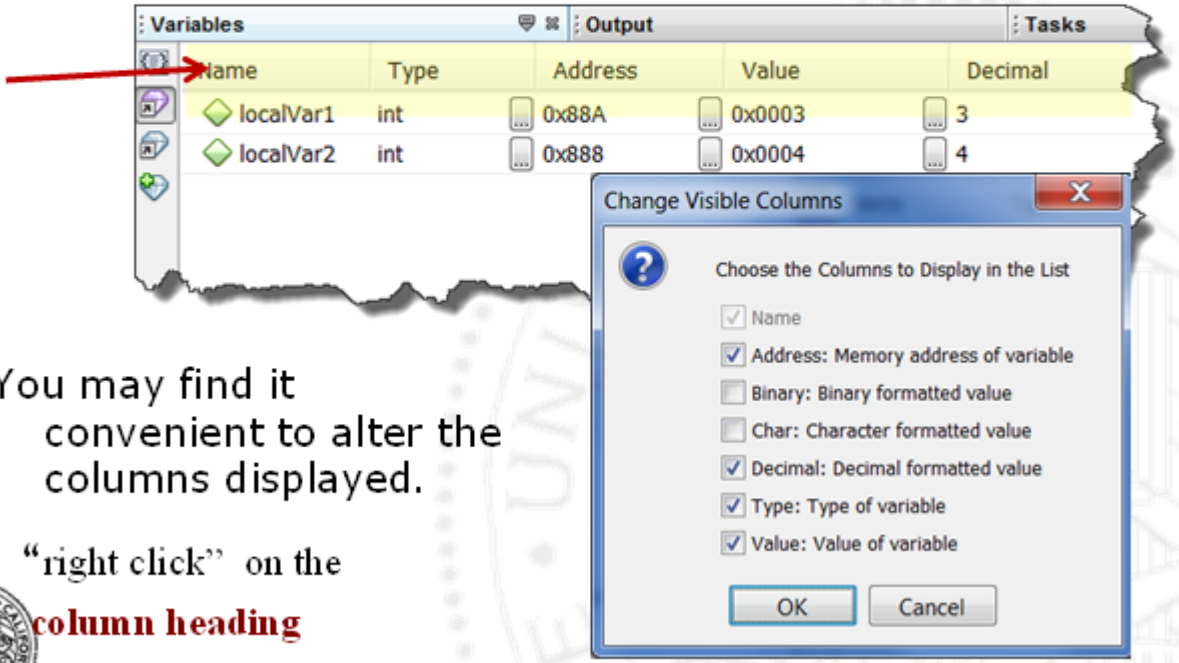
Windows->Debugging->Variables



Windows used in Examples

Variables Window

Variable Window displays several columns of data



You may find it convenient to alter the columns displayed.

"right click" on the **column heading**

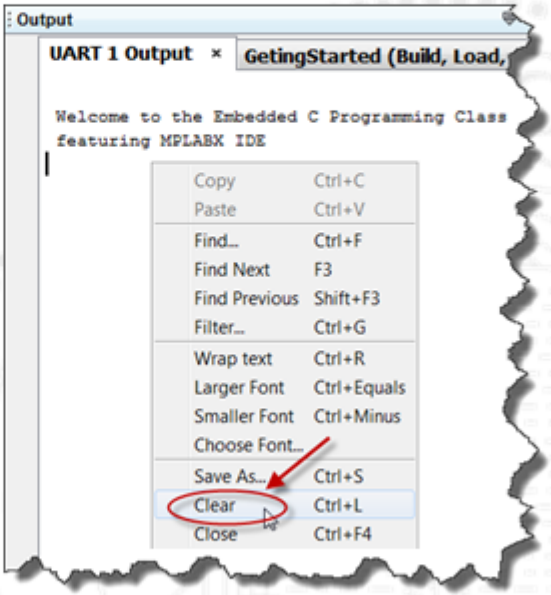
Windows used in Examples

UART1 Output

UART1 Output Window prints out text from C programs

To clear this window:

Right click *inside* of the window then select Clear



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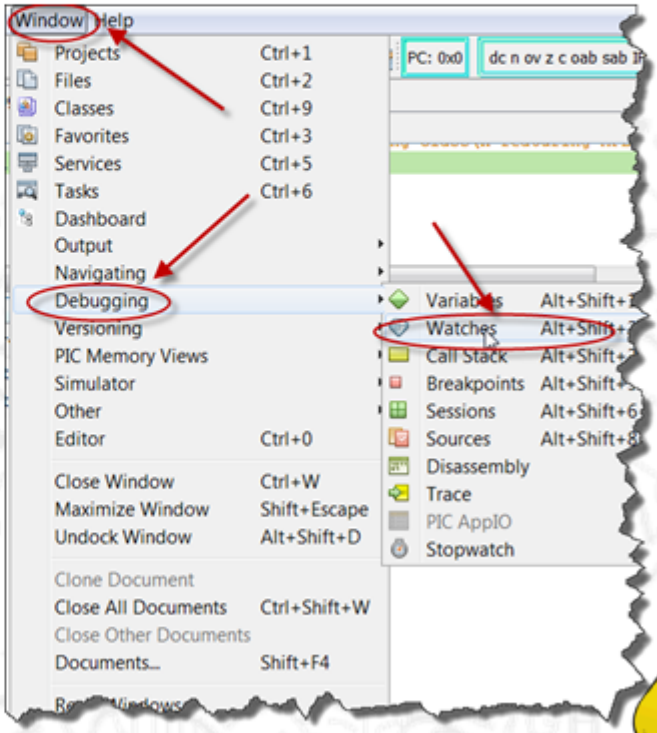
Windows used in Examples

Watches Window

Watches Window is similar to the Variables window but displays a different set of data



To Open the Watches Window:

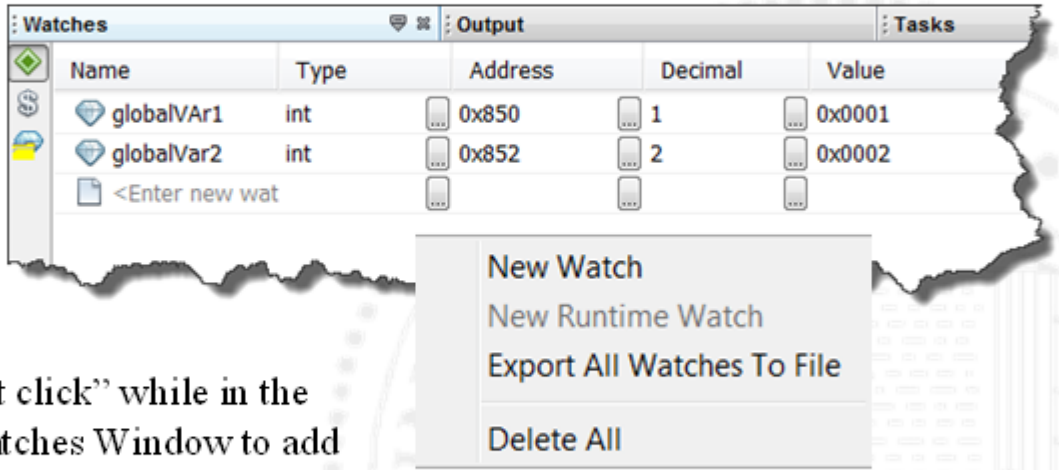
Select:

Windows->Debugging->Watches

Windows used in Examples

Watches Window

Watches Window needs to be 'told' what data to watch



"Right click" while in the Watches Window to add or delete watches

** Column configuration is identical to Variables Window

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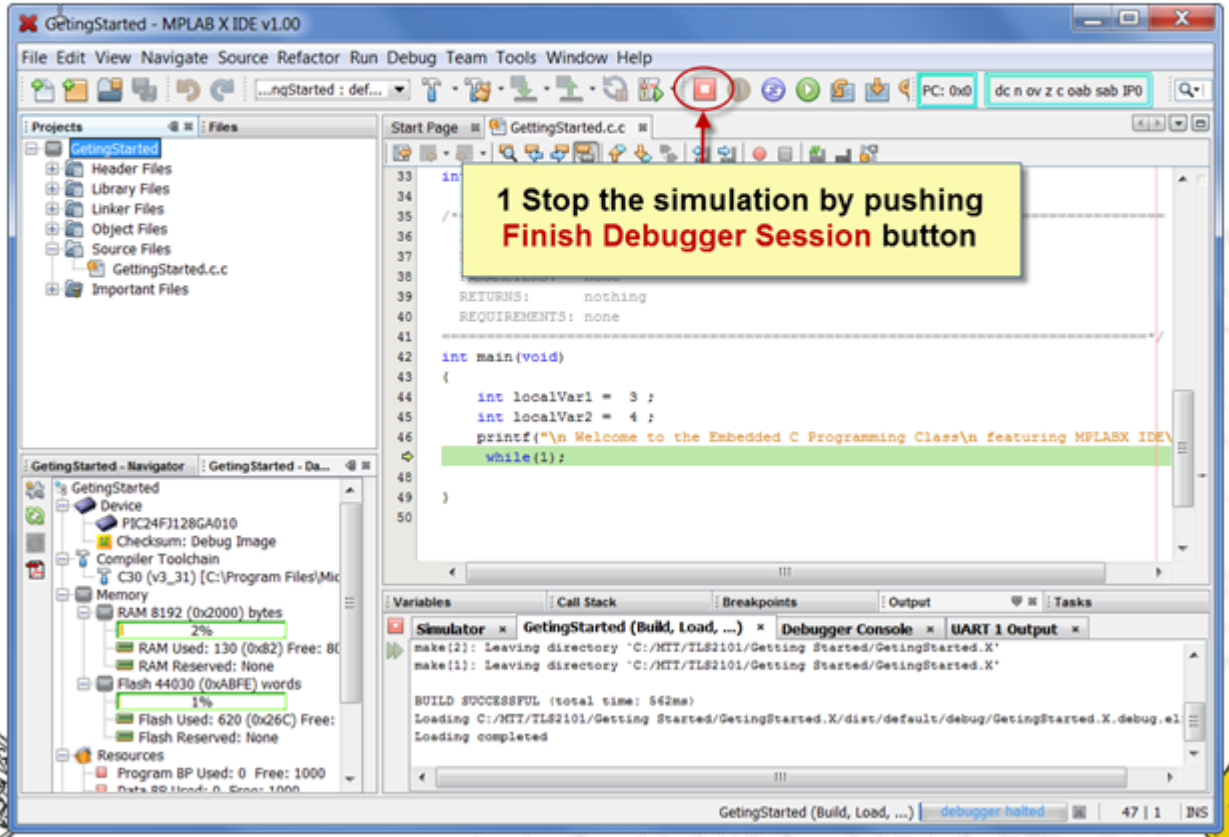
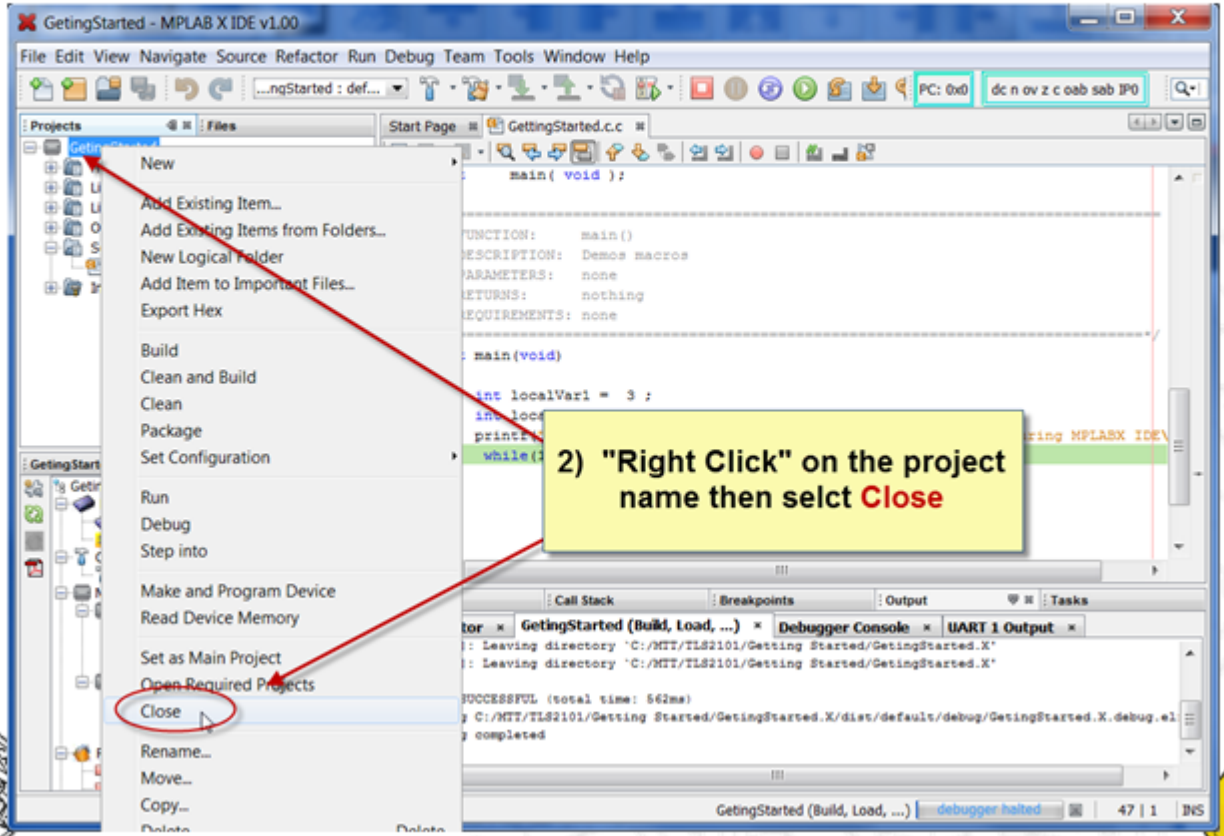
Closing a Project



Closing a Project



Questions?