Install MPLAB IDE Software

1. Download the MPLAB8.91 from
   http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=2115

2. You can download the XC8 Compiler at the same site as:

Language Tool Archives		
MPLAB XC8	**MPLAB XC16**	**MPLAB XC32**
v1.00 (WIN)	v1.00 (WIN)	v1.00 (WIN)
v1.00 (Linux)	v1.00 (Linux)	v1.00 (Linux)
v1.00 (OSX)	v1.00 (OSX)	v1.00 (OSX)
v1.01 (WIN)	v1.10 (WIN)	v1.10 (WIN)
v1.01 (Linux)	v1.10 (Linux)	v1.10 (Linux)
v1.01 (OSX)	v1.10 (OSX)	v1.11 (OSX)
v1.10 (WIN)	v1.11 (WIN)	v1.11 (WIN)
v1.10 (Linux)	v1.11 (Linux)	v1.11 (Linux)
v1.10 (OSX)	v1.11 (OSX)	v1.20 (OSX)
v1.11 (WIN)	v1.20 (WIN)	v1.20 (WIN)
v1.11 (Linux)	v1.20 (Linux)	v1.20 (Linux)
v1.11 (OSX)	v1.20 (OSX)	v1.21 (OSX)
v1.12 (OSX)		v1.21 (WIN)
v1.12 (WIN)		v1.21 (Linux)
v1.12 (Linux)		v1.22 (OSX)
v1.20 (OSX)		v1.22 (WIN)
v1.20 (WIN)		v1.22 (Linux)
v1.21 (Linux)		v1.30 (OSX)
v1.21 (OSX)		v1.30 (Linux)
v1.21 (WIN)		v1.30 (WIN)

Note: Both the MPLAB IDE 8.91 and XC8 are also available on the workshop Moodle server at: www.ucdistancetraining.org
then select **Pre Workshop preparations**
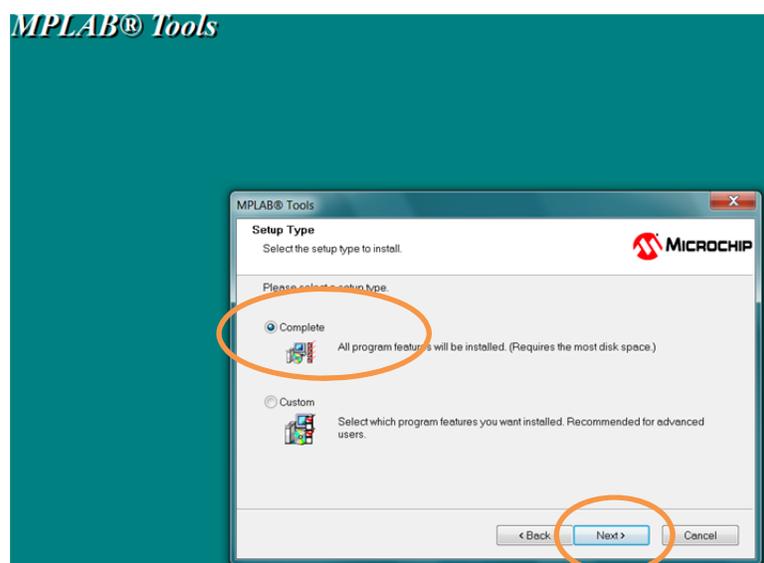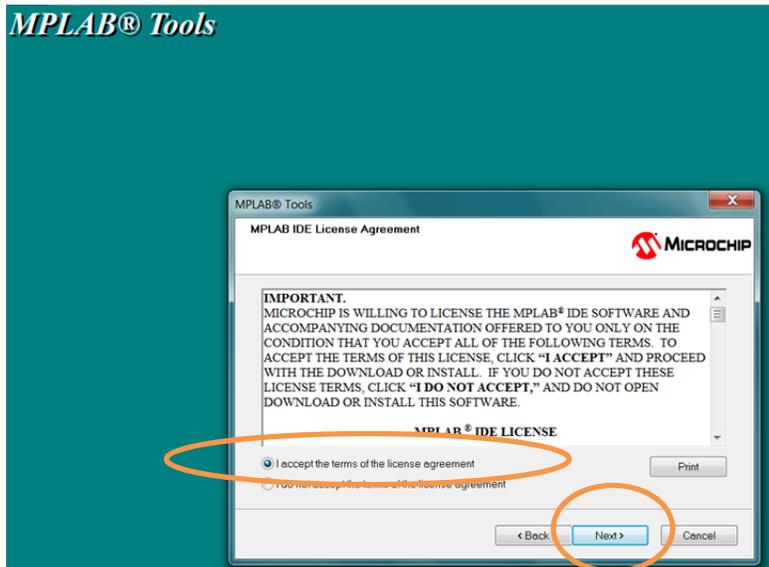**or you can download it from www.ucdistancetraining.odu.edu**

3. After you downloading the MPLAB IDE, double click the setup file to install the software.
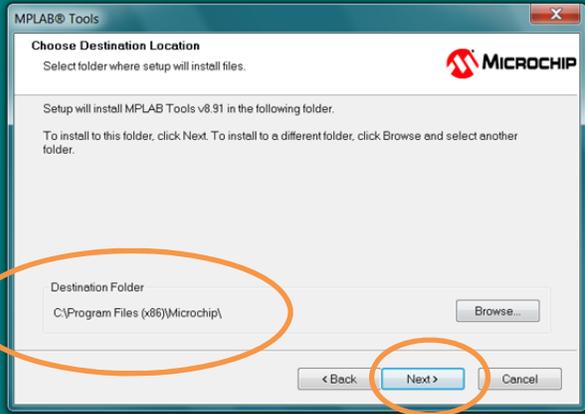

Name	Date modified	Type	Size
Data1	5/2/2013 5:10 PM	WinZip File	108,331 KB
ISSetup.dll	5/2/2013 4:43 PM	Application extens...	2,056 KB
MPLAB Tools v8.91	5/2/2013 5:10 PM	Windows Installer ...	3,035 KB
MPLAB_IDE_8_91	5/14/2013 10:18 A...	WinZip File	113,630 KB
mplabcert	7/17/2009 8:36 PM	Bitmap image	193 KB
setup	5/2/2013 5:10 PM	Application	3,783 KB
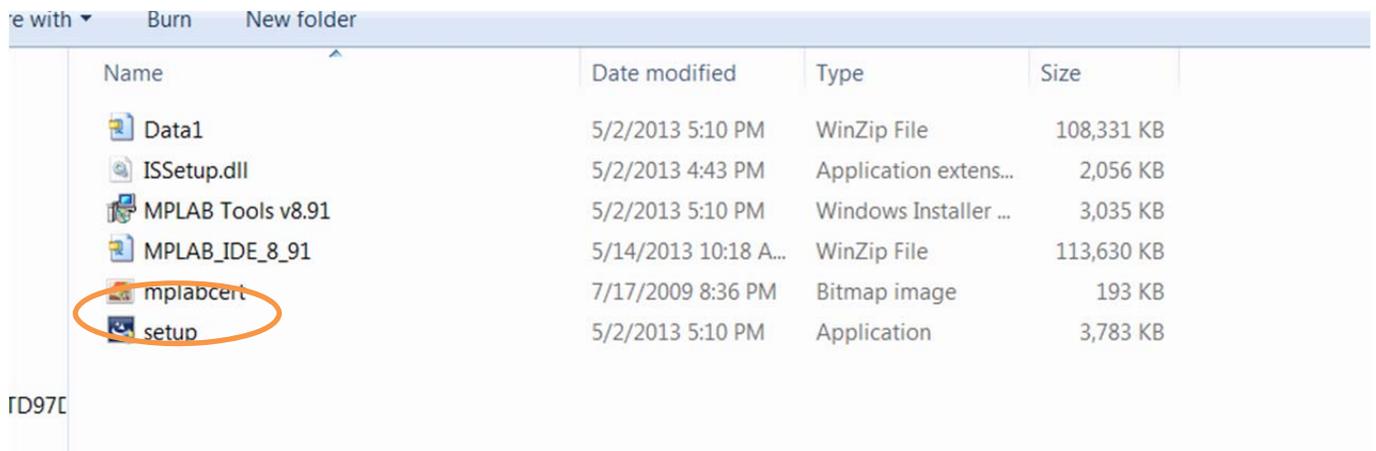
3. Follow the installation instruction and click Next.

2
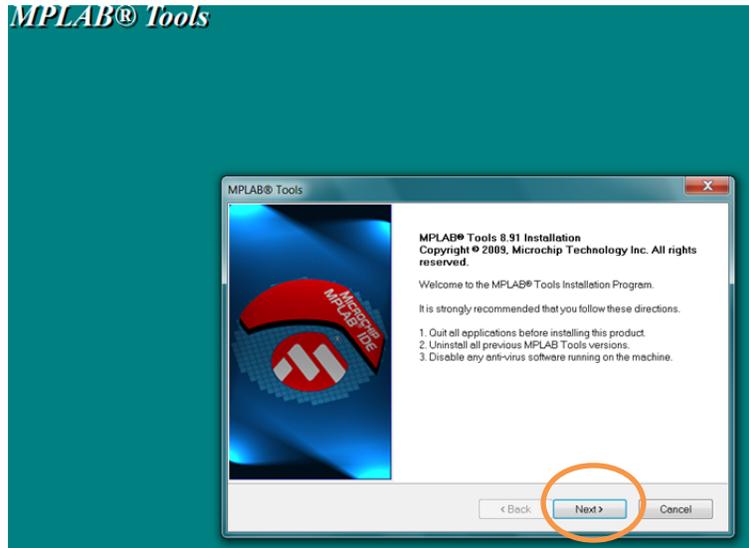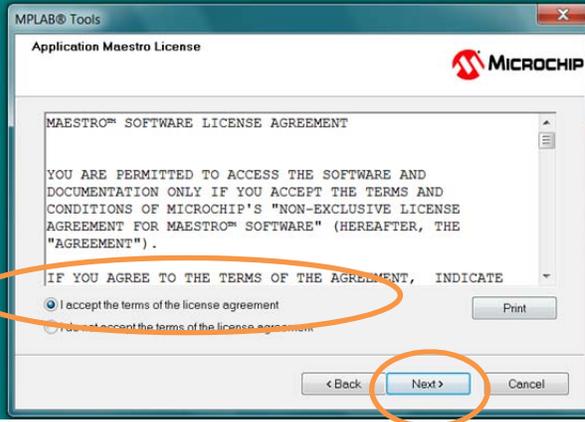
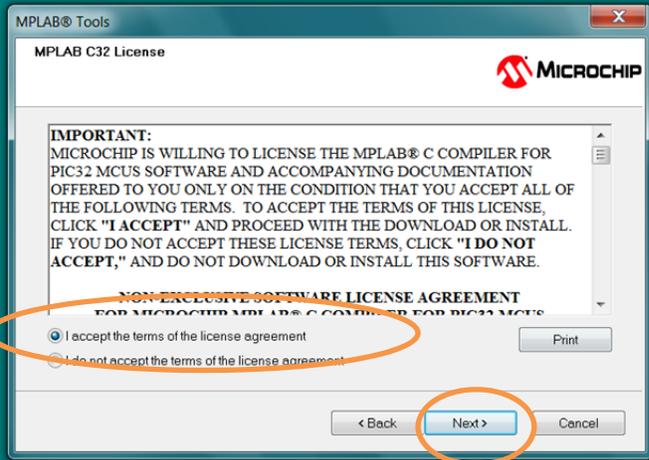4. After selecting Next and then accepting the license agreement. Select Complete installation, the Next……Next.
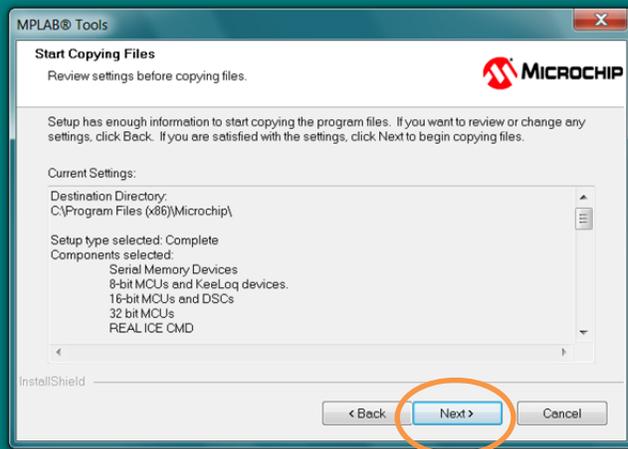
4

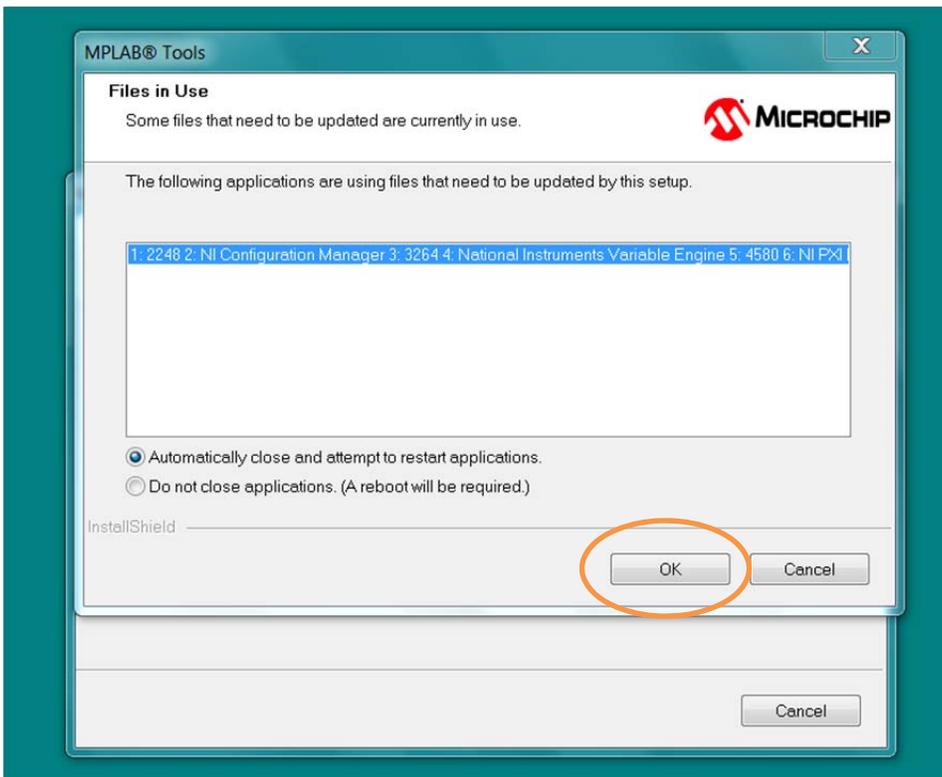5. After selecting Next, Next……Next the setup will lead to the following screen the software installation begins……….

MPLAB® Tools

MPLAB® Tools

Setup Status   **MICROCHIP**

MPLAB Tools v8.91 is configuring your new software installation.

Validating install

Cancel

MPLAB® Tools

Files in Use   **MICROCHIP**

Some files that need to be updated are currently in use.

The following applications are using files that need to be updated by this setup.

1: 2248 2: NI Configuration Manager 3: 3264 4: National Instruments Variable Engine 5: 4580 6: NI PXI

○ Automatically close and attempt to restart applications.
○ Do not close applications. (A reboot will be required.)

InstallShield

OK   Cancel

Cancel

6. It will take several minutes for the installation to complete and you will see this Window, then click Next again to complete the process:
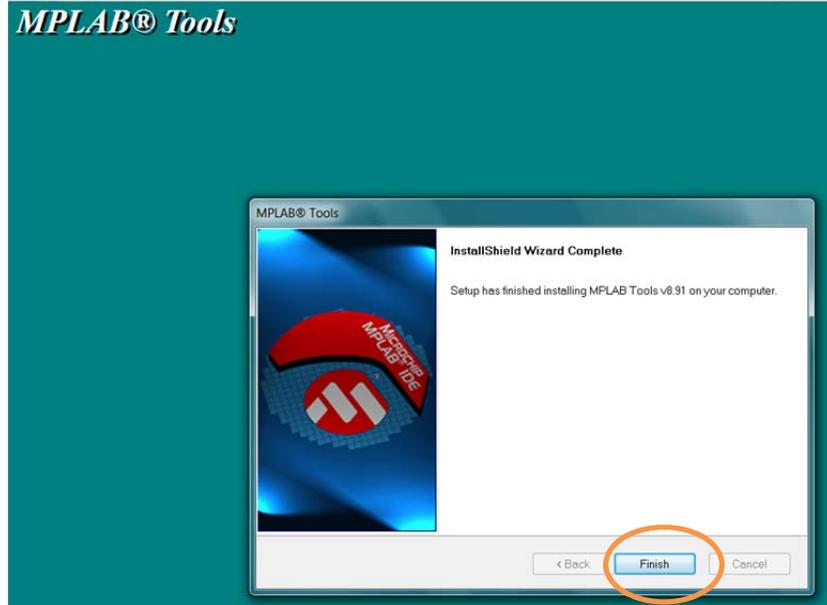
7. If you want to view the release notes on the software, click and view, otherwise simple close the window and continue…….that will conclude the MPLAB IDE installation and you can verify it on your desktop window
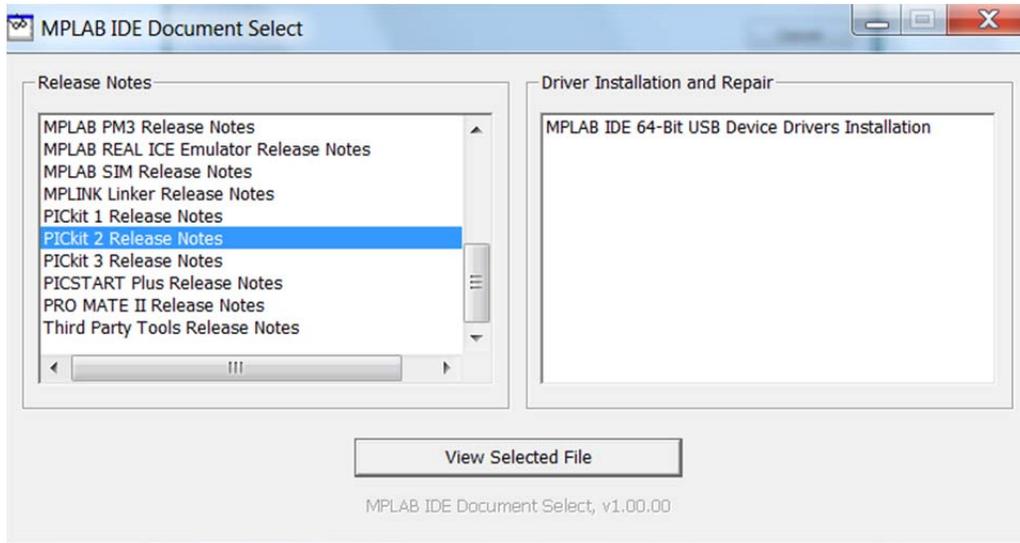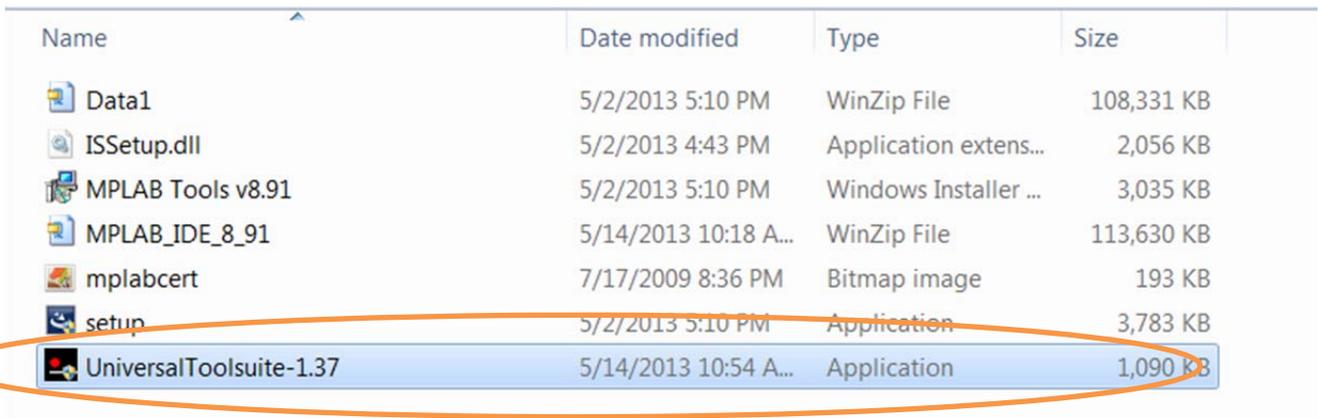
Install C Complier

HI TECH Universal Toolsuite Ver 1.37 (PBLAB Plugin)

1. Download the HI TECH Universal Toolsuite from **www.ucdistancetraining.org** then select **Pre Workshop Preparations**

2. After downloading the software, double clicks on the UniversalToolsuite-1.37

| Name	Date modified	Type	Size
Data1	5/2/2013 5:10 PM	WinZip File	108,331 KB
ISSetup.dll	5/2/2013 4:43 PM	Application extens...	2,056 KB
MPLAB Tools v8.91	5/2/2013 5:10 PM	Windows Installer ...	3,035 KB
MPLAB_IDE_8_91	5/14/2013 10:18 A...	WinZip File	113,630 KB
mplabcert	7/17/2009 8:36 PM	Bitmap image	193 KB
setup	5/2/2013 5:10 PM	Application	3,783 KB
UniversalToolsuite-1.37	5/14/2013 10:54 A...	Application	1,090 KB

3. Click on Next to start the installation:
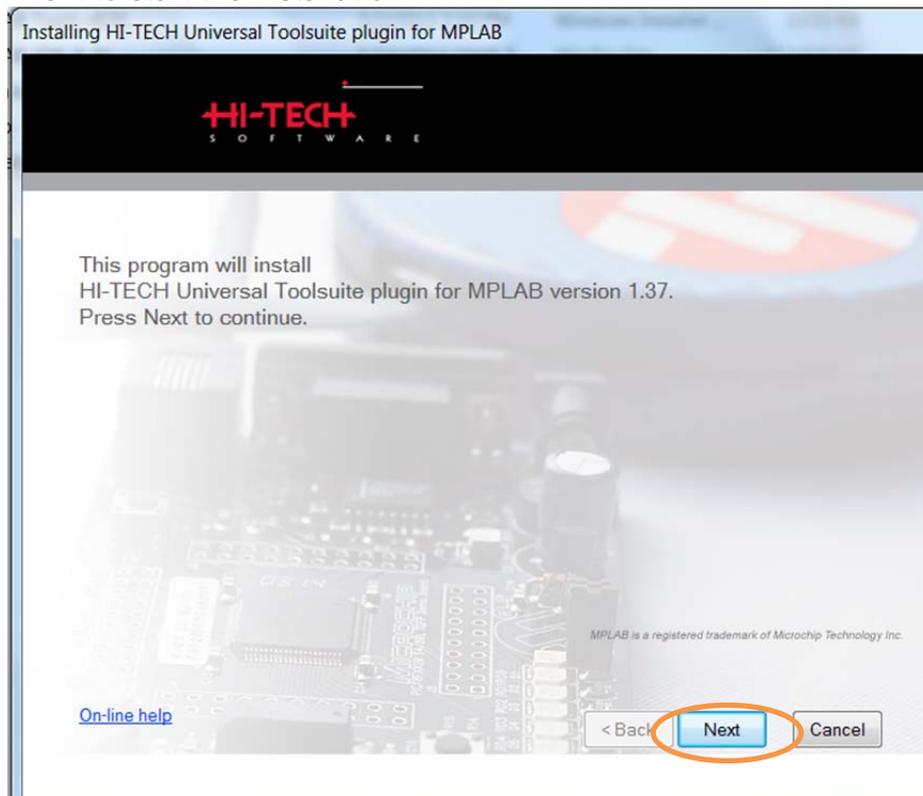
4. Check on the path of the software, then click on Next to install:
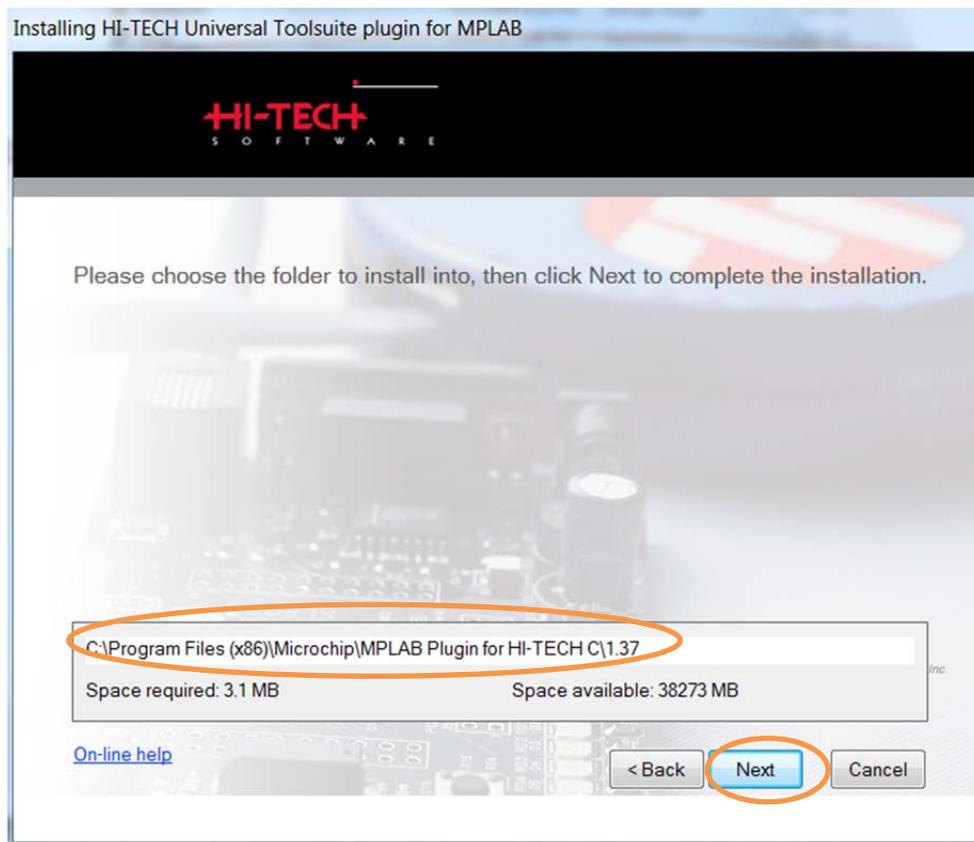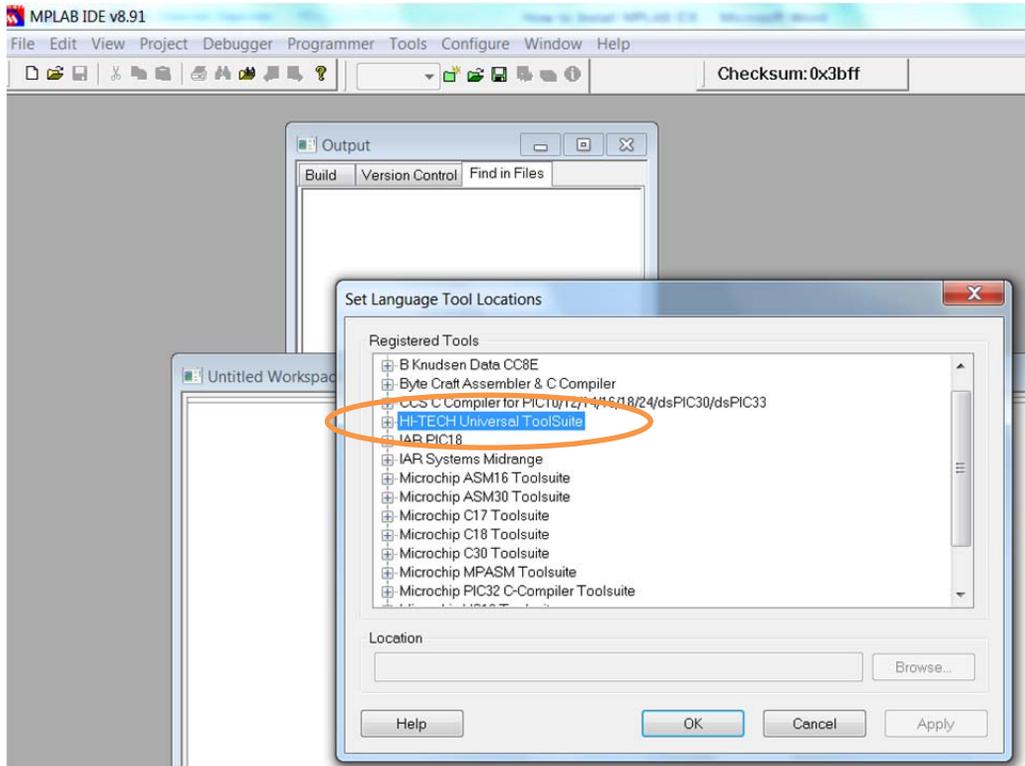

5. It only takes a few seconds to install and click on Finish to complete.
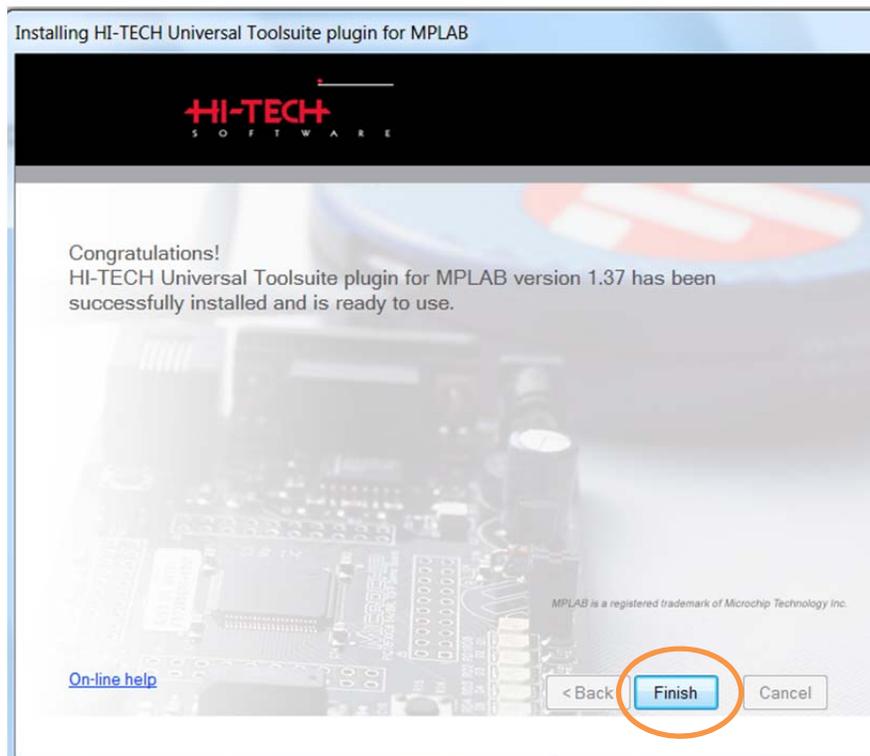
6. To check the C Compiler installation, Run MPLAB Ver. 8.91, under main menu, select Project, then click on "Set Language Tool Locations…"
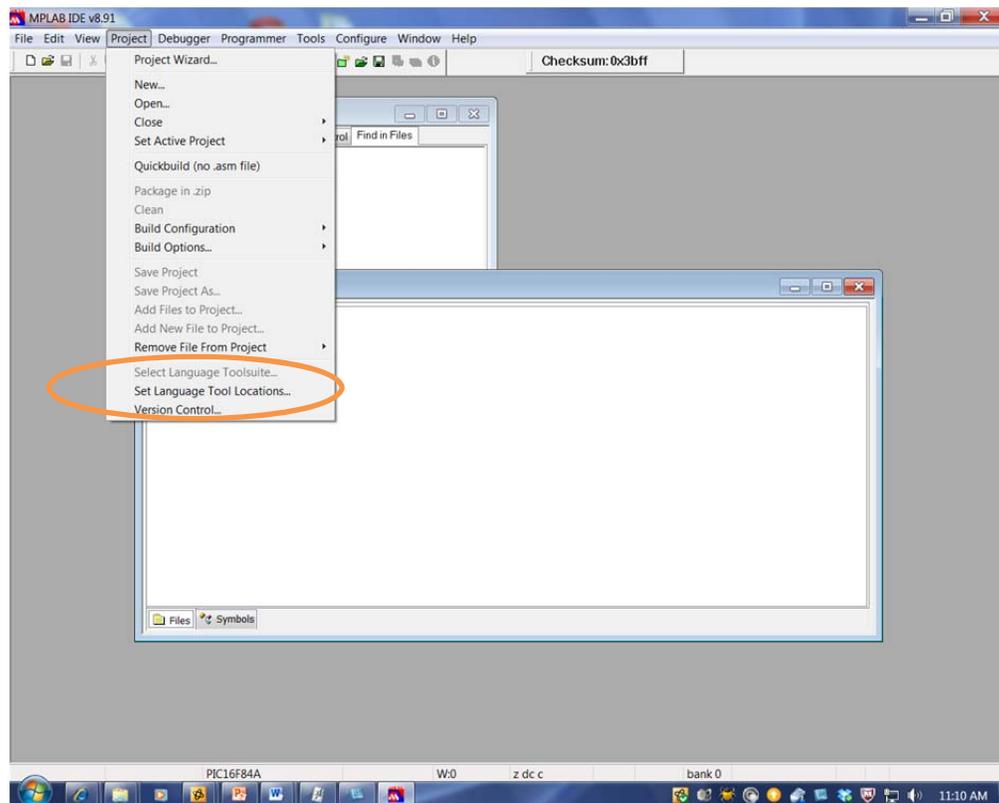
7. If you can see the HI TECH Toolsuite as following that means the C Compiler is ready:

Install PIC BASIC Pro Complier

From: microEngineering Labs

Note: If you are going to use BASIC compiler for this distance training workshop, please download this PIC BASIC Pro.

1. Go to http://melabs.com/ to download the free trial version of the BASIC compiler:

2. Select the PBP3 without MPLAB option:

PICBASIC PRO™
Compiler 3.0 Downloads

Download PBP 3.0.7 (126MB)

(Download includes MPLAB 8.90)

- This download will install PBP 3.0.x or update an existing install to the latest version.
- Updating will not affect activation status.
- If installed without an activation code (trial version), the software will be fully functional for 15 days.
- Activation can be completed off-line, without an Internet connection.
- Download includes PBP, MPLAB, MicroCode Studio, and MicroCode Studio Plus (product key required for MCSP)

Download PBP 3.0.7
without MPLAB (12MB)

This install **does not** include MPLAB/MPASM.
MPLAB must be previously installed on your computer.

- Same as larger download above, but does not include MPLAB. PBP requires that MPLAB or MPLABX be installed, but some users may already have it or prefer to download it directly from Microchip.
- Make sure that MPLAB supports the devices that you intend to use with PBP.
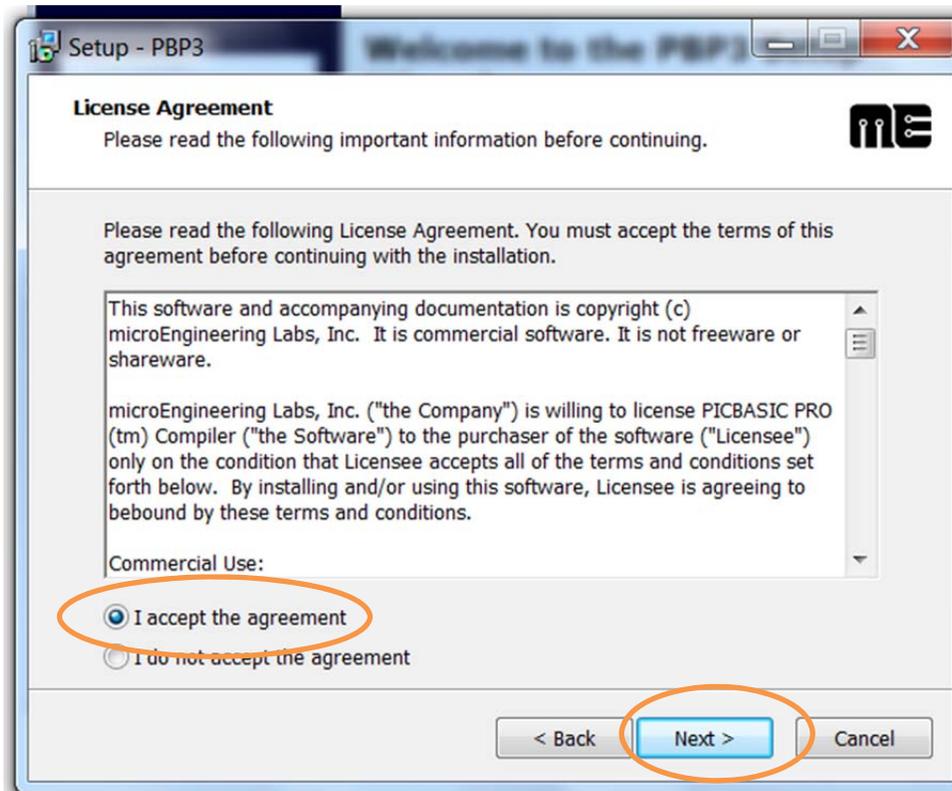- Download includes PBP, MicroCode Studio, and MicroCode Studio Plus (product key required for MCSP)

Migration notes

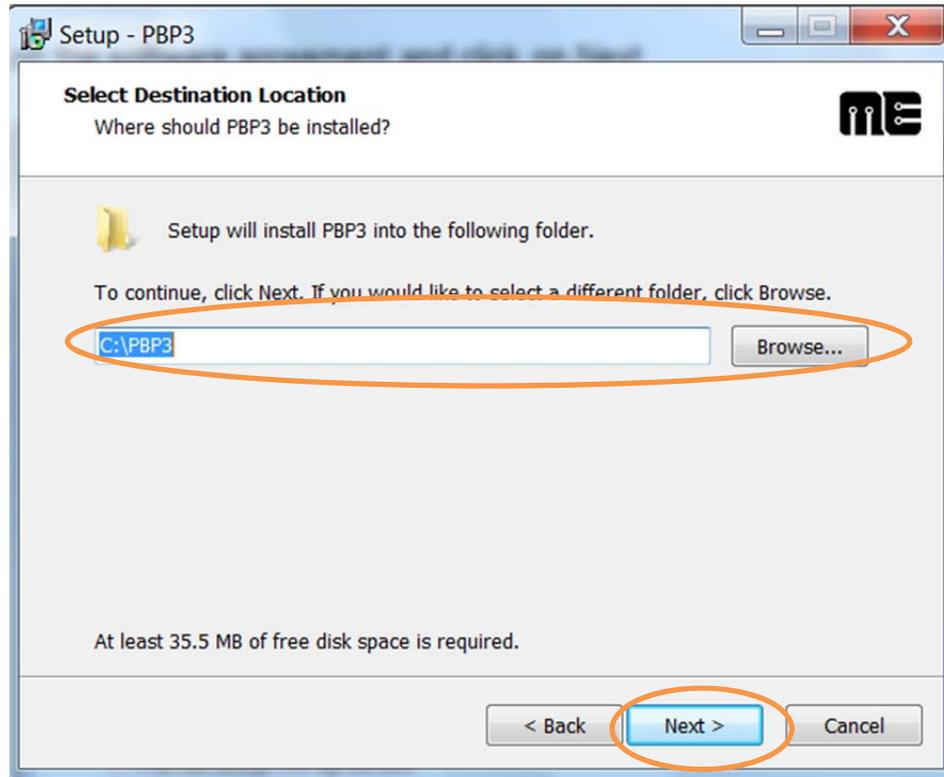- Moving programs from PBP 2.x to PBP 3.0

3. Click on Next to start the installation of the PIC BASIC Pro:
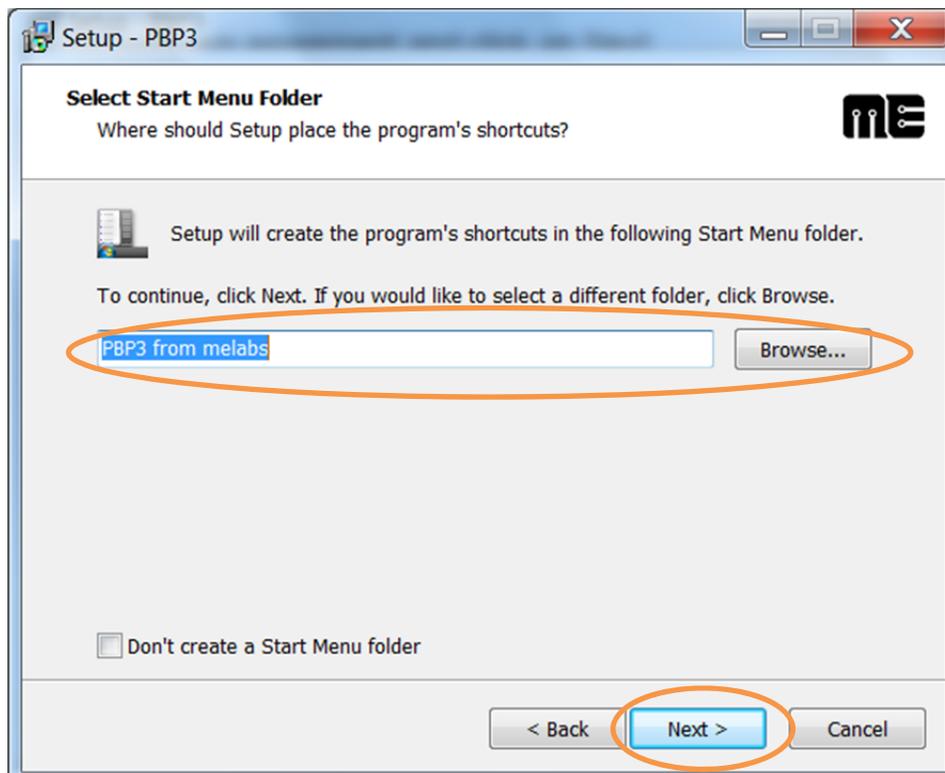

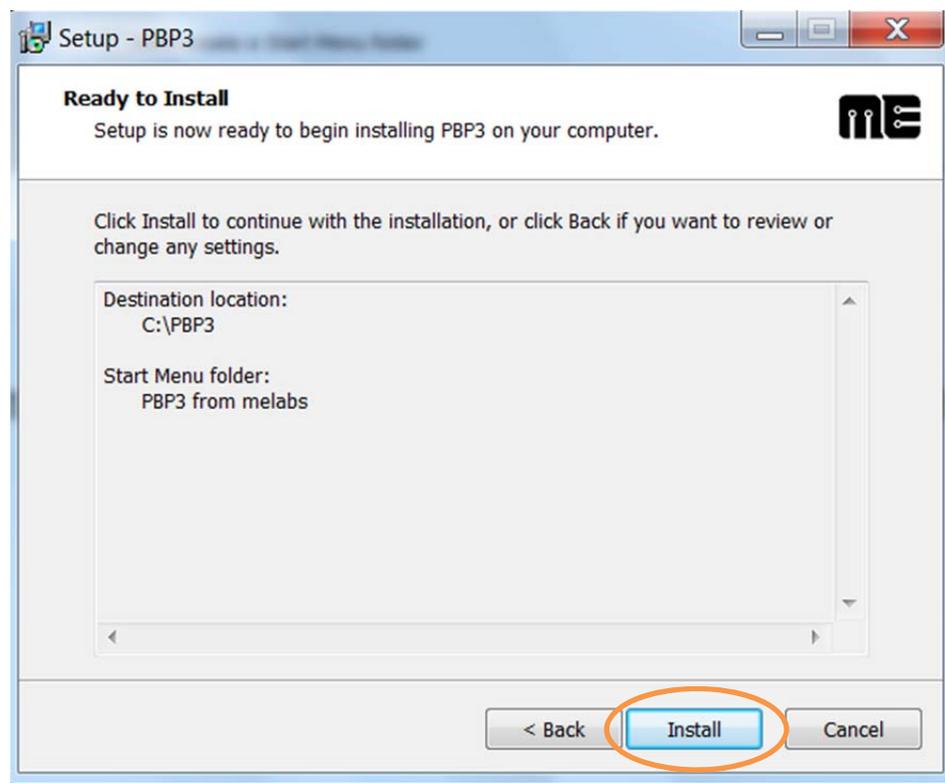4. Select on the software agreement and Click on Next

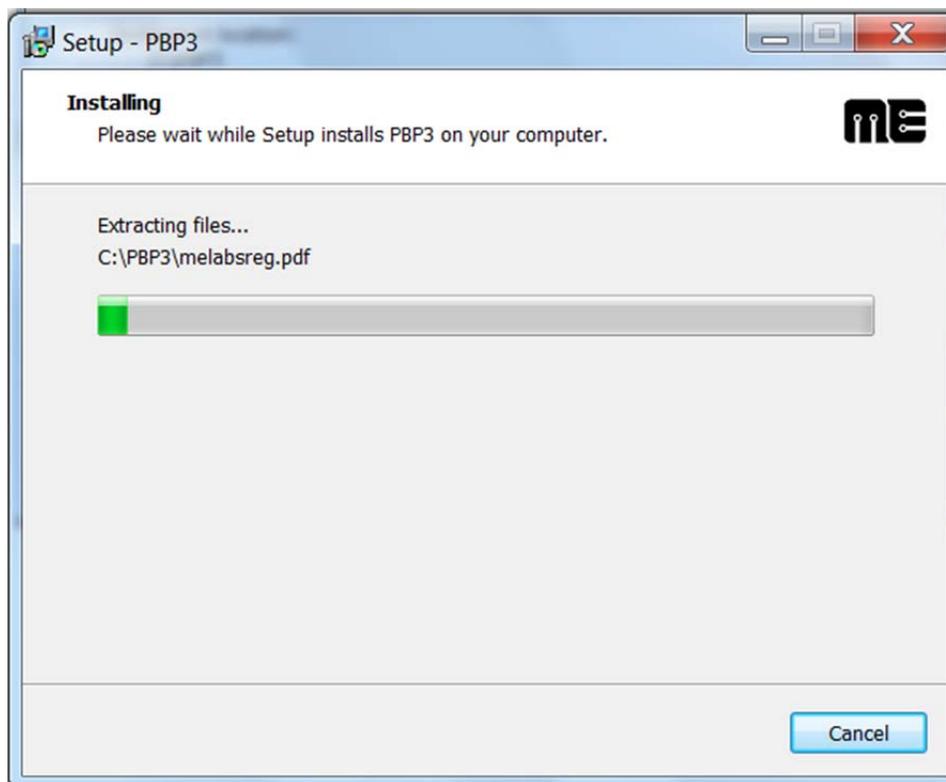5. Check on the path on the software instalation, then Click on Next:

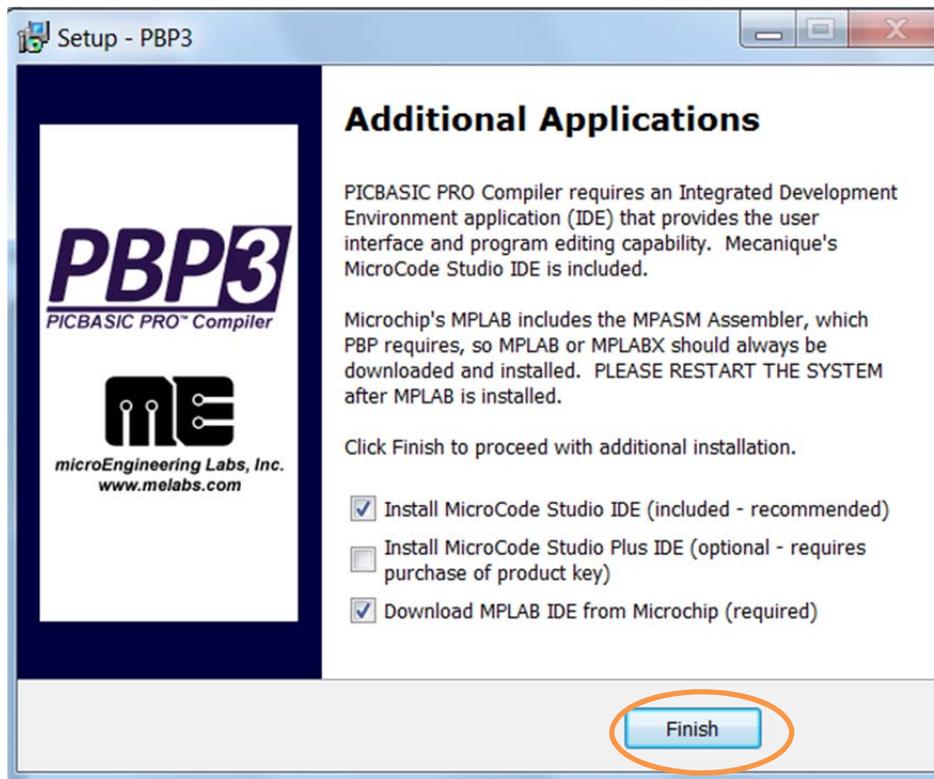6. Choose PBP3 start from MPLAB, then Click Next:

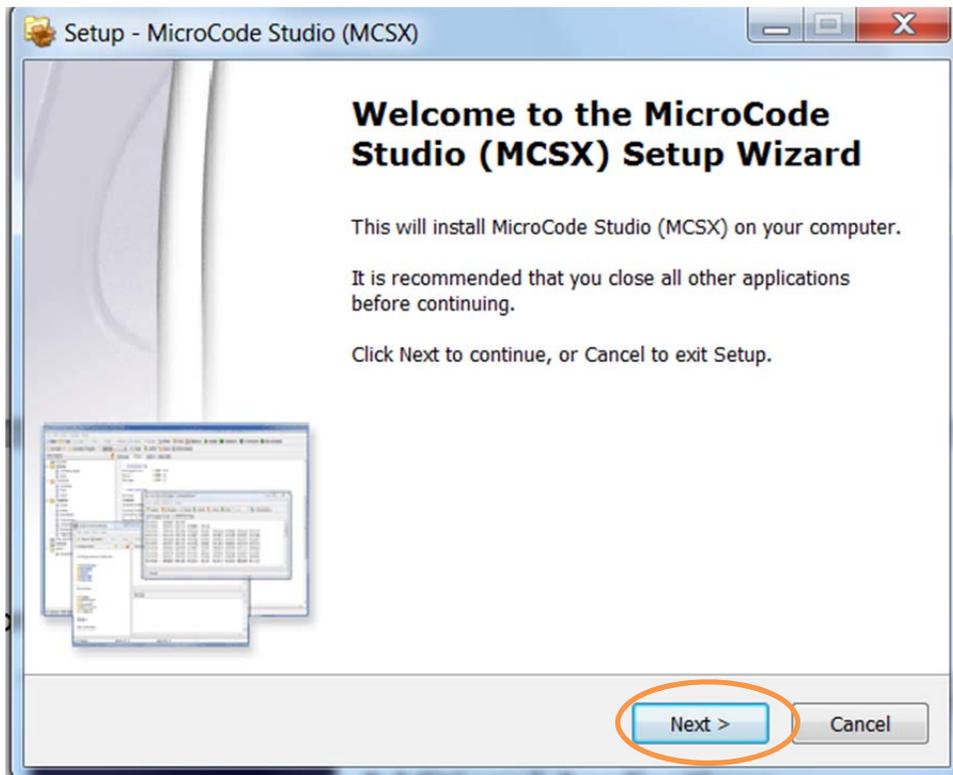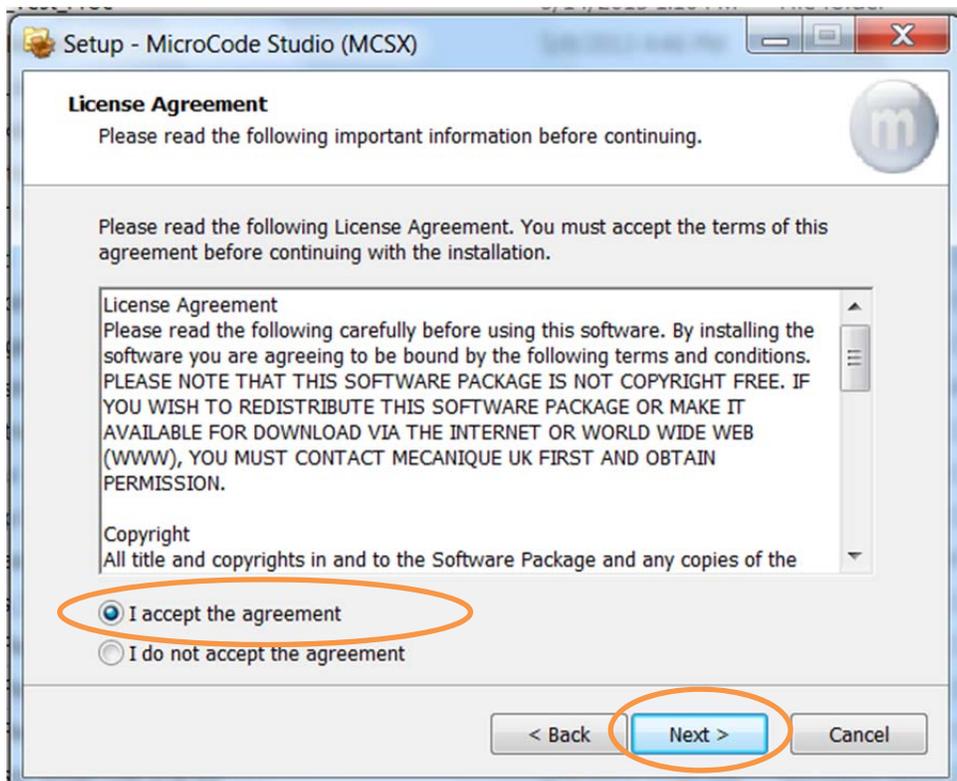7. Click on the Install the software will begin its instalation:

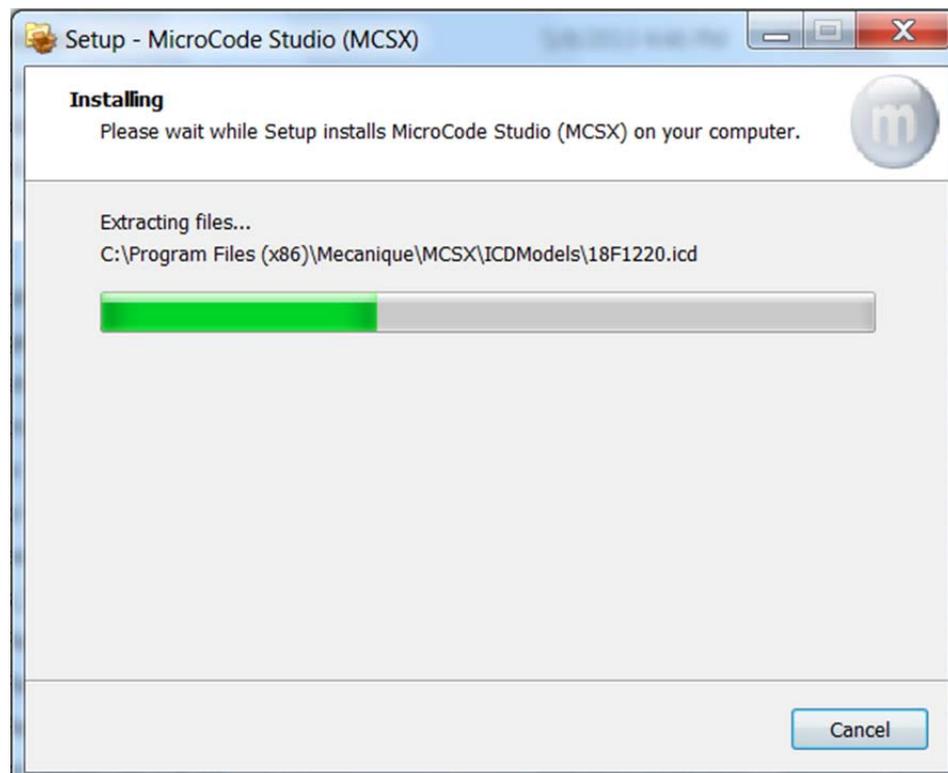8. Click on the Finish to complete the PIC BASIC Pro installation:
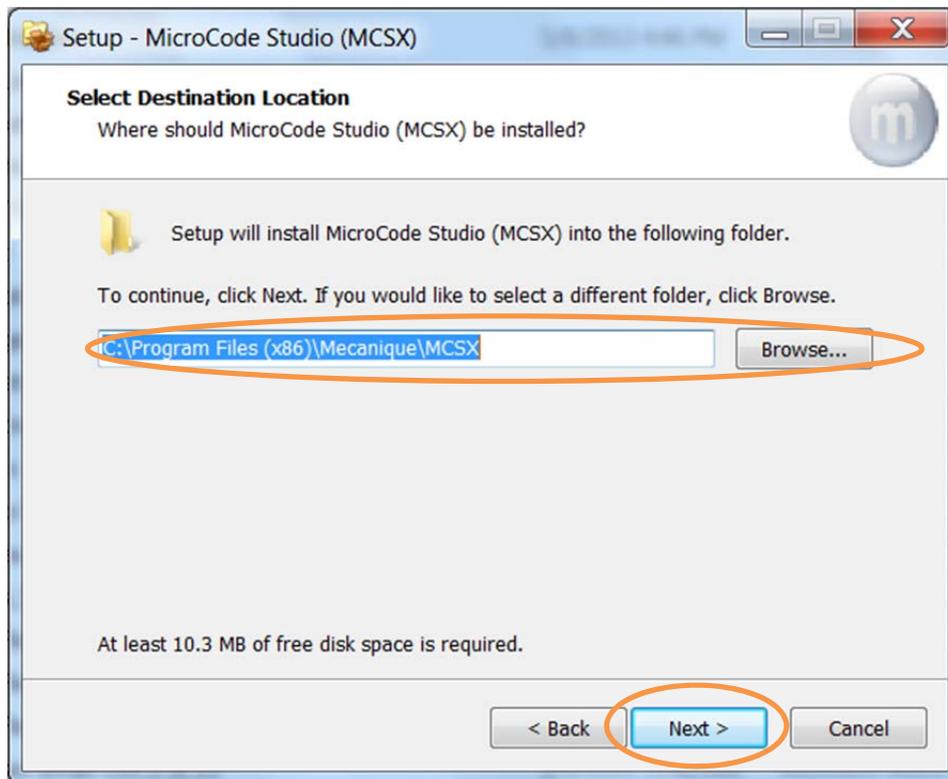

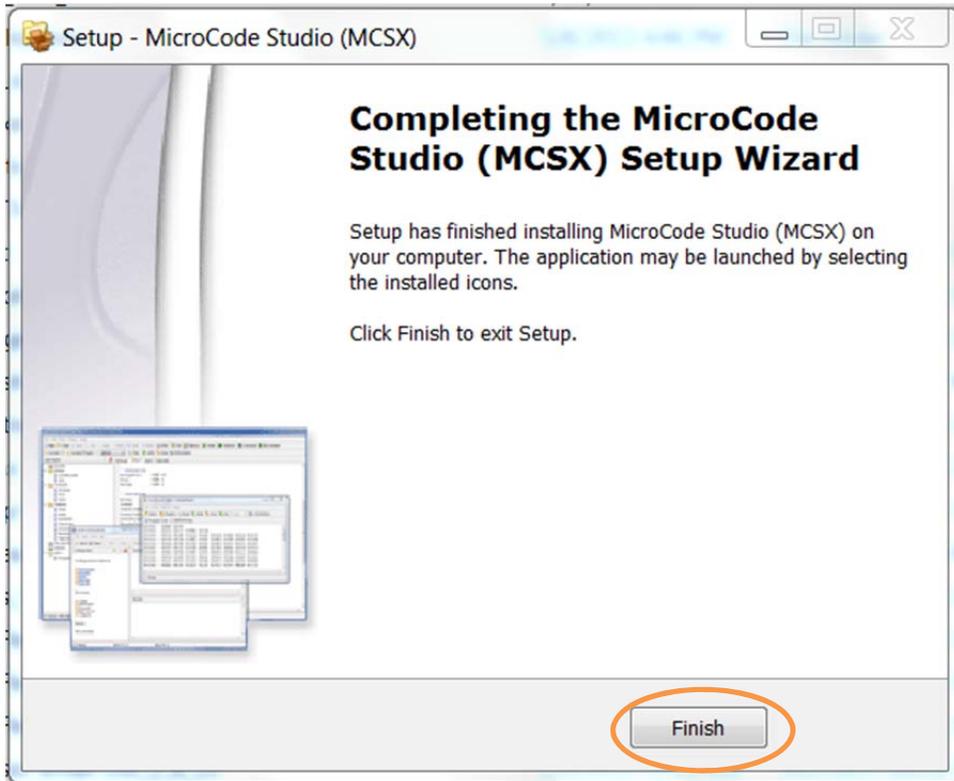9. Click on Next to start the Micro Code Studio Setup Wizard:

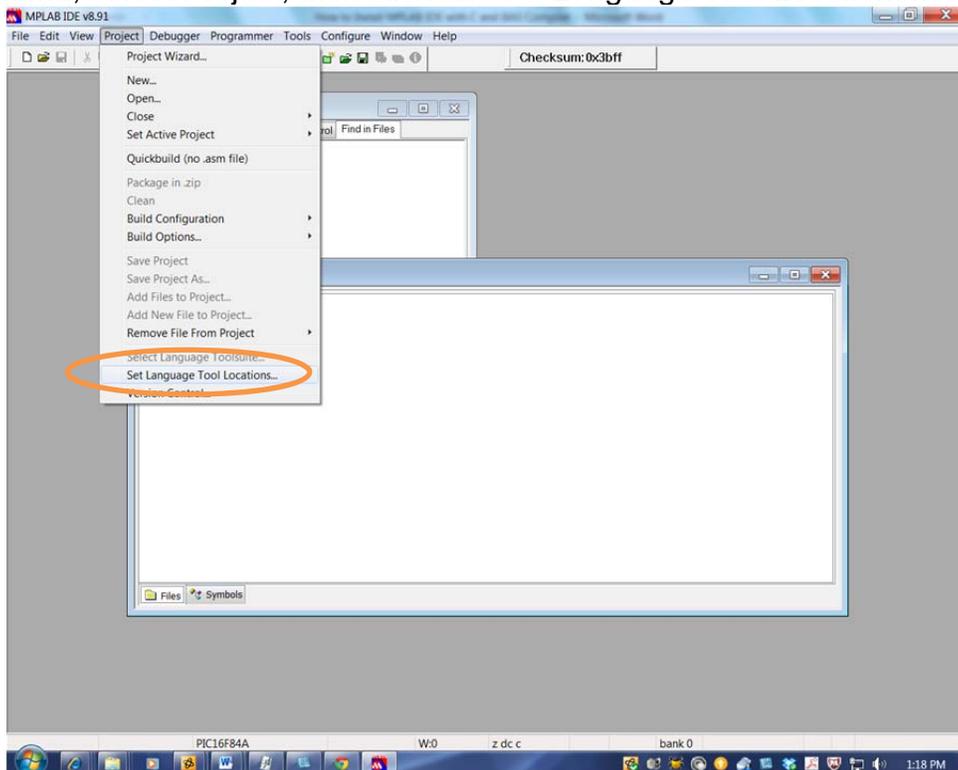10. Select on the software agreement and Click on Next

11. Check on the path on the software instalation, then Click on Next:

12. Click on the Finish to complete MicroCode Studio installation:

13. To check the PIC BASIC Pro Compiler installation, Run MPLAB Ver. 8.91, under main menu, select Project, then click on "Set Language Tool Locations…"

18

14. If you can see the HI TECH Toolsuite as following that means the PIC BASIC Pro Compiler is ready: