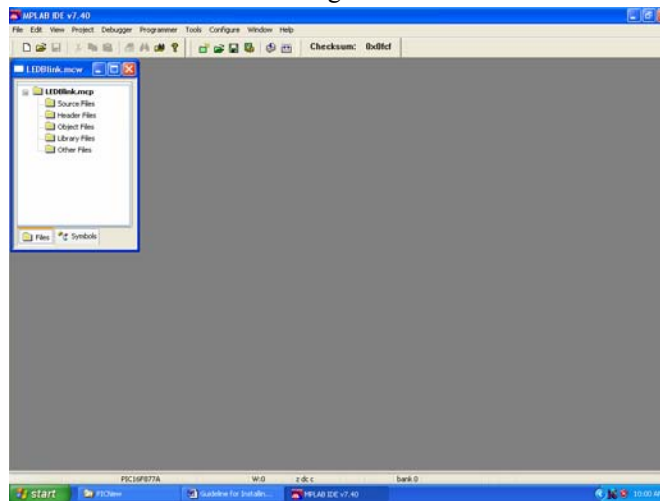
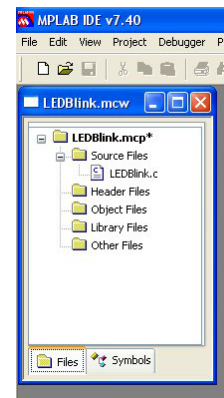


Quick guide for installing the necessary software for PIC programming.

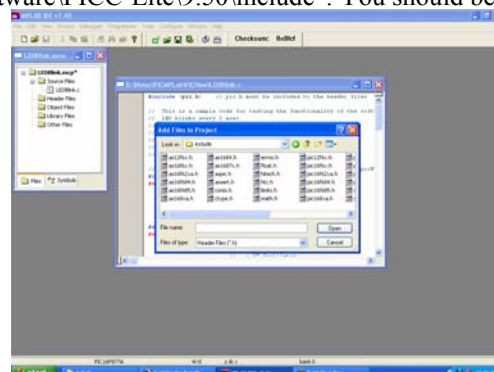
1. Download MPLAB Tools v7.40 from  
[http://www.microchip.com/stellent/idcplg?IdcService=SS\\_GET\\_PAGE&nodeId=1406&dDocName=en019469](http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=1406&dDocName=en019469)
2. Download PICC Lite v9.5 from  
<http://www.htsoft.com/products/PICClite.php>
3. Unzip the “mp740\_full” file and proceed to the installation.
4. Double click on the “picclite-setup” file to install the PICC Lite software.
5. Make sure you have ticked “PICC-Lite with Microchip MPLAB.” during the installation.
6. To check if the software is working properly, download the sample C code: LEDBlink.c attached here to the directory you wish to work at.
7. Open the MPLAB software.
8. On the MPLAB menu bar, select “Project -> Project Wizard -> Next -> Next (PIC16F877A) -> Next (HI-TECH PICC Toolsuite) -> Next (Project Name: LEDBlink, Project Directory: browse to the directory you are working at) -> Next -> Next -> Finish.
9. You should be able to see the following screen.



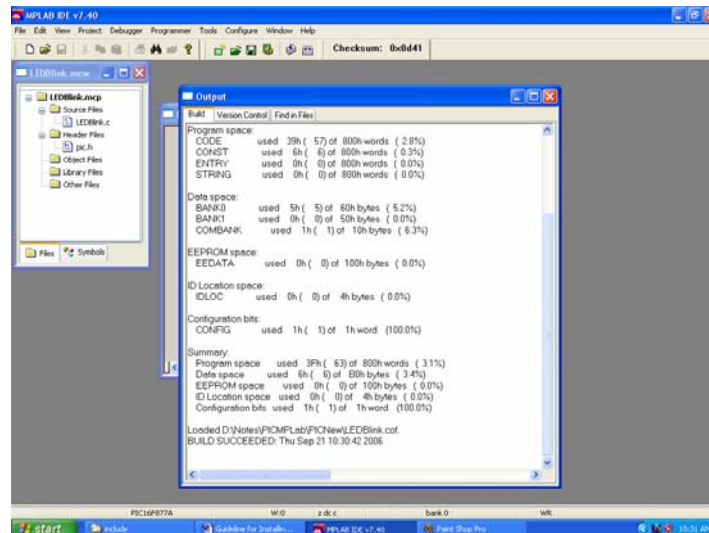
10. Right click on the Source Files. Select “Add files -> browse to the directory that you saved the LEDBlink.c -> double click on the LEDBlink.c”.
11. You should be able to see this.
12. Be noted that LEDBlink.c has been included to the current project.



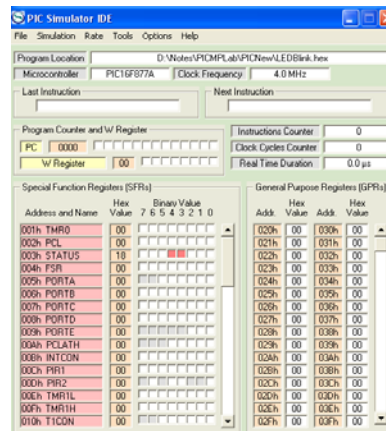
13. On the same token, right click on the Header Files. Select “Add files -> browse to C:\Program Files\HI-TECH Software\PICC-Lite\9.50\include”. You should be able to see this.



14. Double click on “pic.h” file.
15. On the MPLAB menu bar, select “Configure -> Select Device”. Make sure the device is PIC16F877A.
16. Press F10 on the keyboard to compile the c-code into hex file. If the compilation is successful, the following screen is shown.



17. To simulate your hex code, you may download PIC simulator IDE from <http://www.oshonsoft.com/>
18. Install and run the software.
19. On PIC Simulator IDE menu bar, click on “File -> Load Program -> browse to the LEDBlink.hex that you created -> Double click on the LEDBlink.hex”. You should be able to see this.



20. On the menu bar, click on “Tools -> 8 x LED Board”. A LED board is popped out. Make sure “PORTB, 1” is there as the LED connected to PORT, B will be blinking during the simulation.
21. On the menu bar, click on “Rate -> Extremely Fast”. Finally, click on “Simulation -> Start”.
22. The LED of PORTB, 1 should be blinking as intended.
23. Congratulation, you have done it!

