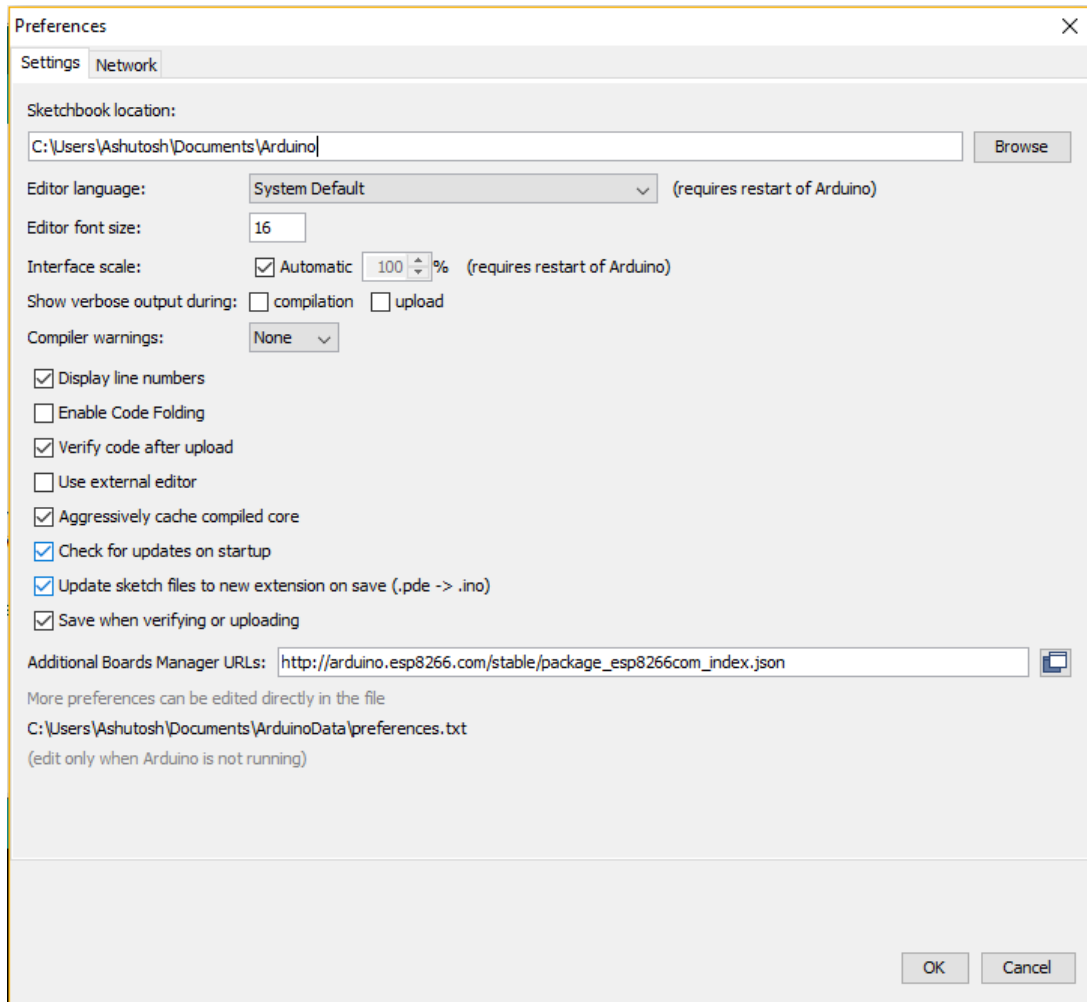First open the Arduino IDE

Go to files menu and click on the preference in the Arduino IDE
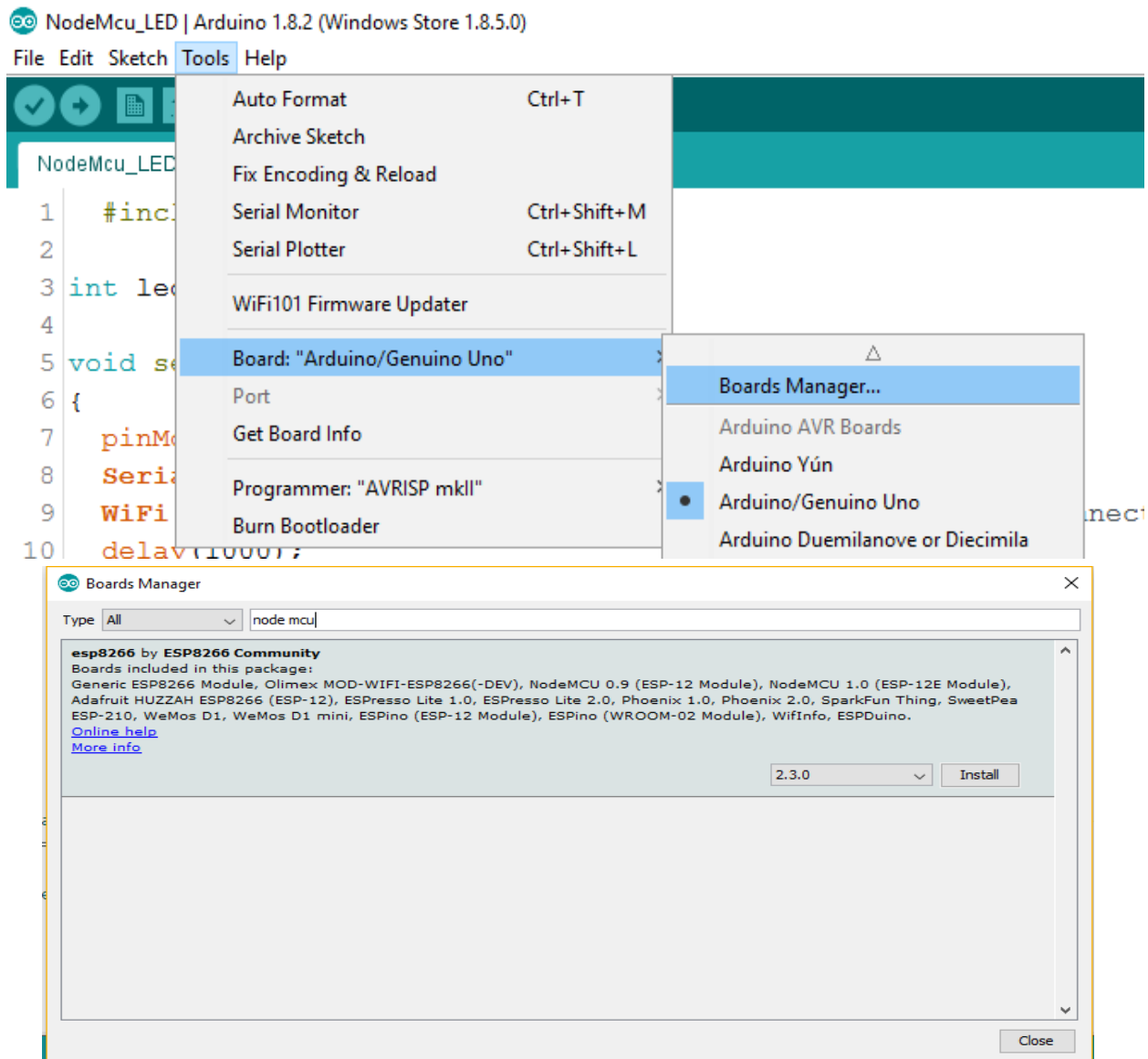

Copy the below code in the Additional boards Manager

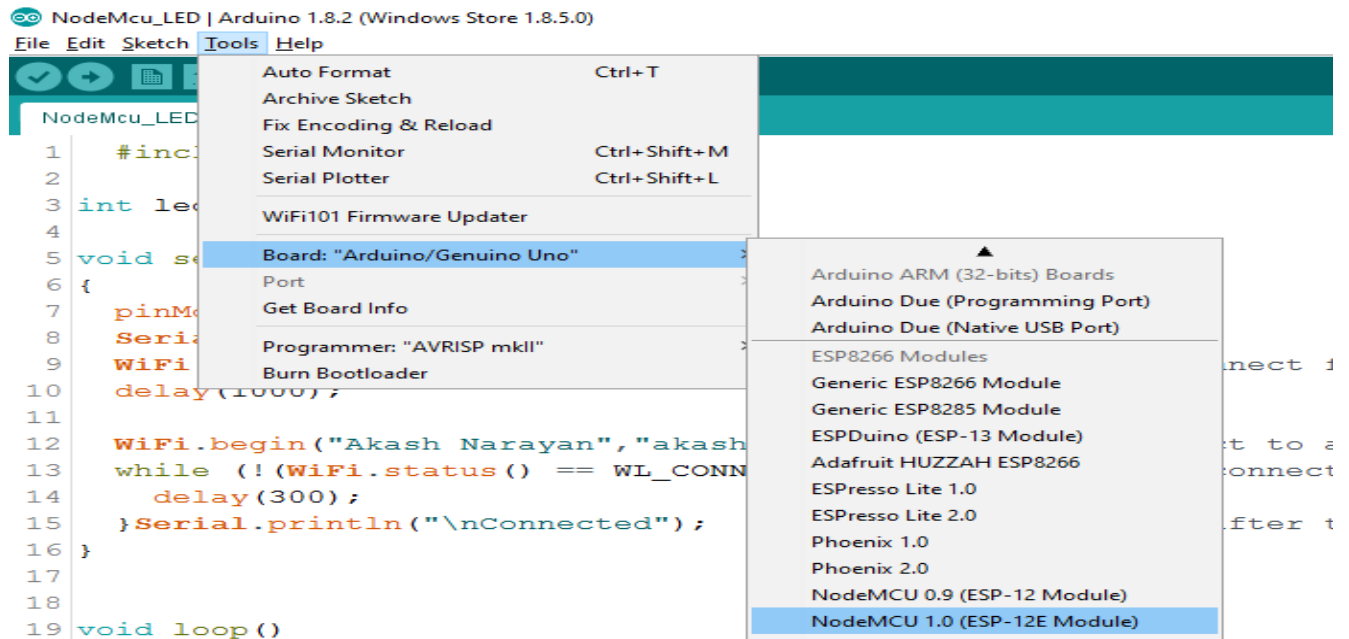**http://arduino.esp8266.com/stable/package_esp8266com_index.json**

click OK to close the preference Tab.

After completing the above steps, go to Tools and board, and then select board Manager
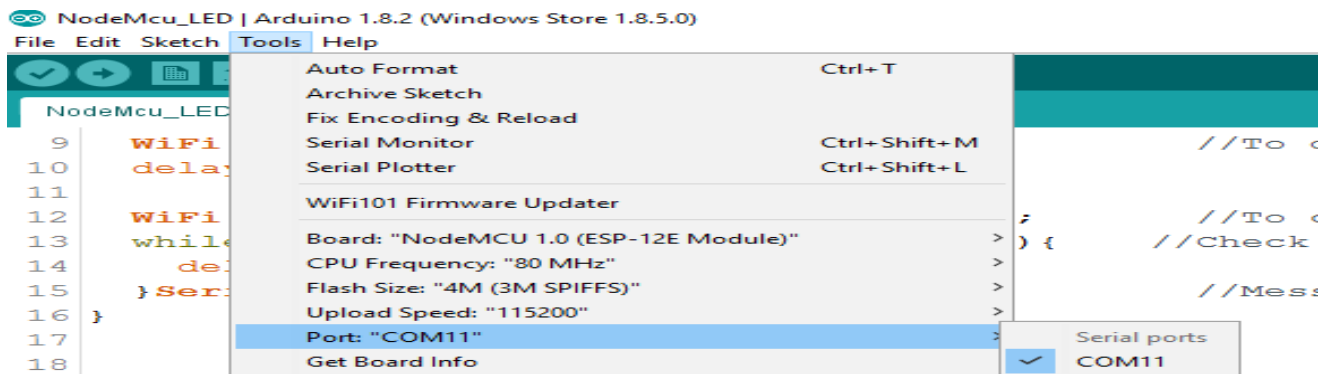
Install the software for Arduino developed by esp8266 community.
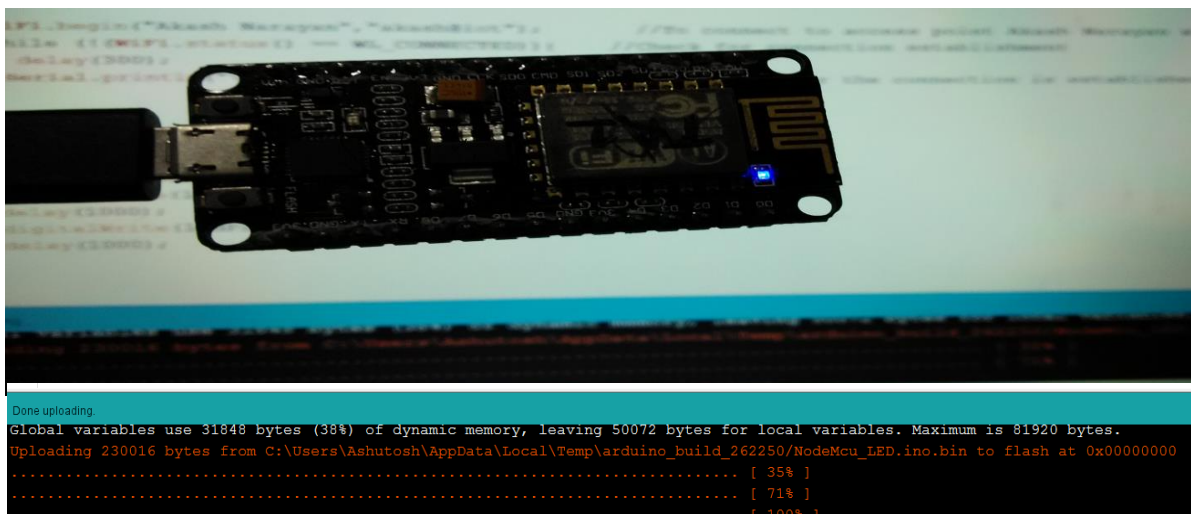
Once all the above process been completed we are ready to program our esp8266 with Arduino IDE.
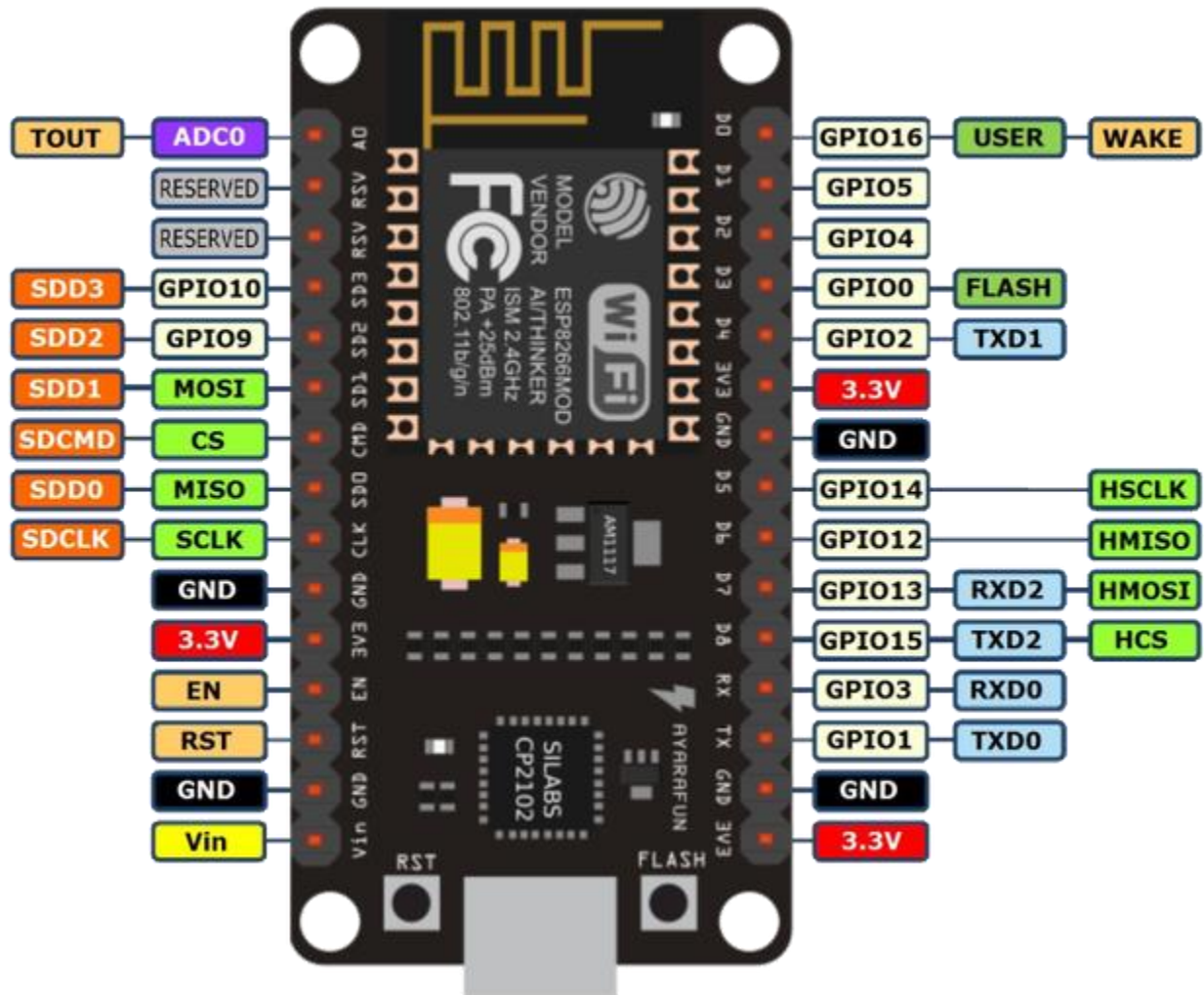
After this you connect your node mcu with usb cable.

Then download NodeMcu_LED_BUILTIN.ino sketch from my github account and upload the sketch to NODEMCU. You will observe the internal blue led of NODEMCU blinking continuously and a pattern of dots can be observed in the Arduino IDE console output.

The built led of the node mcu is connected to pin number 16(D0). It can be accessed programmatically by writing macro LED_BUILTIN.

Similarly you can try rest of the codes one after another.