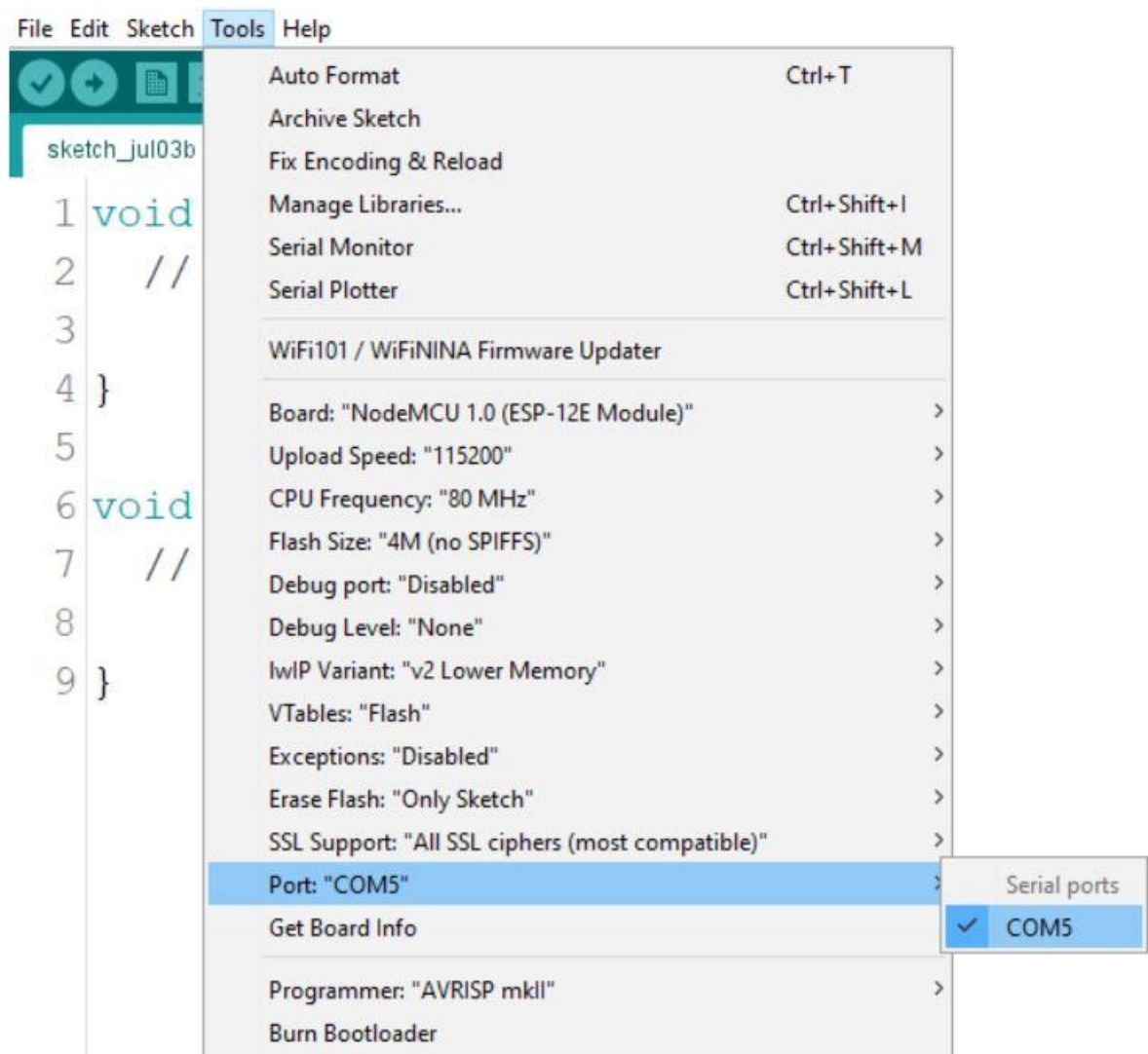
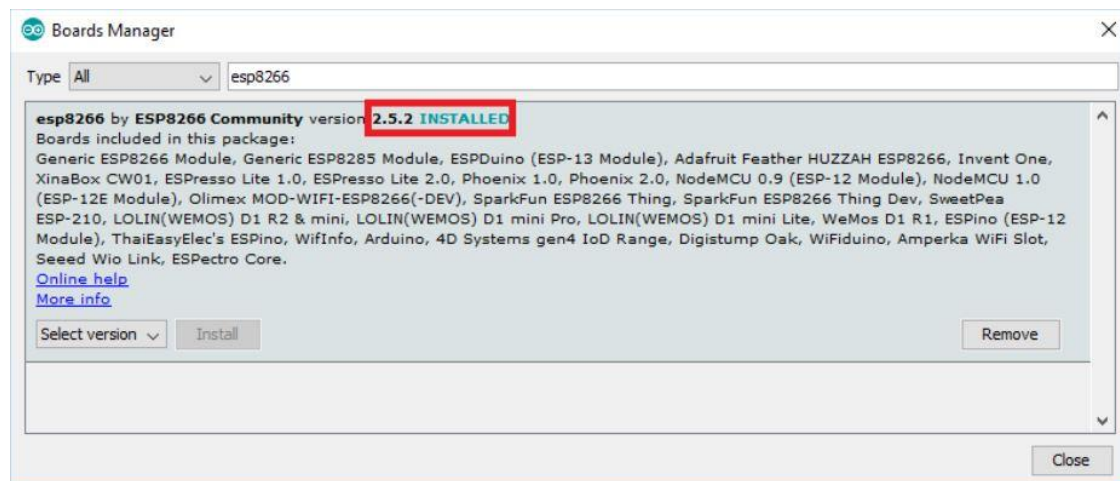
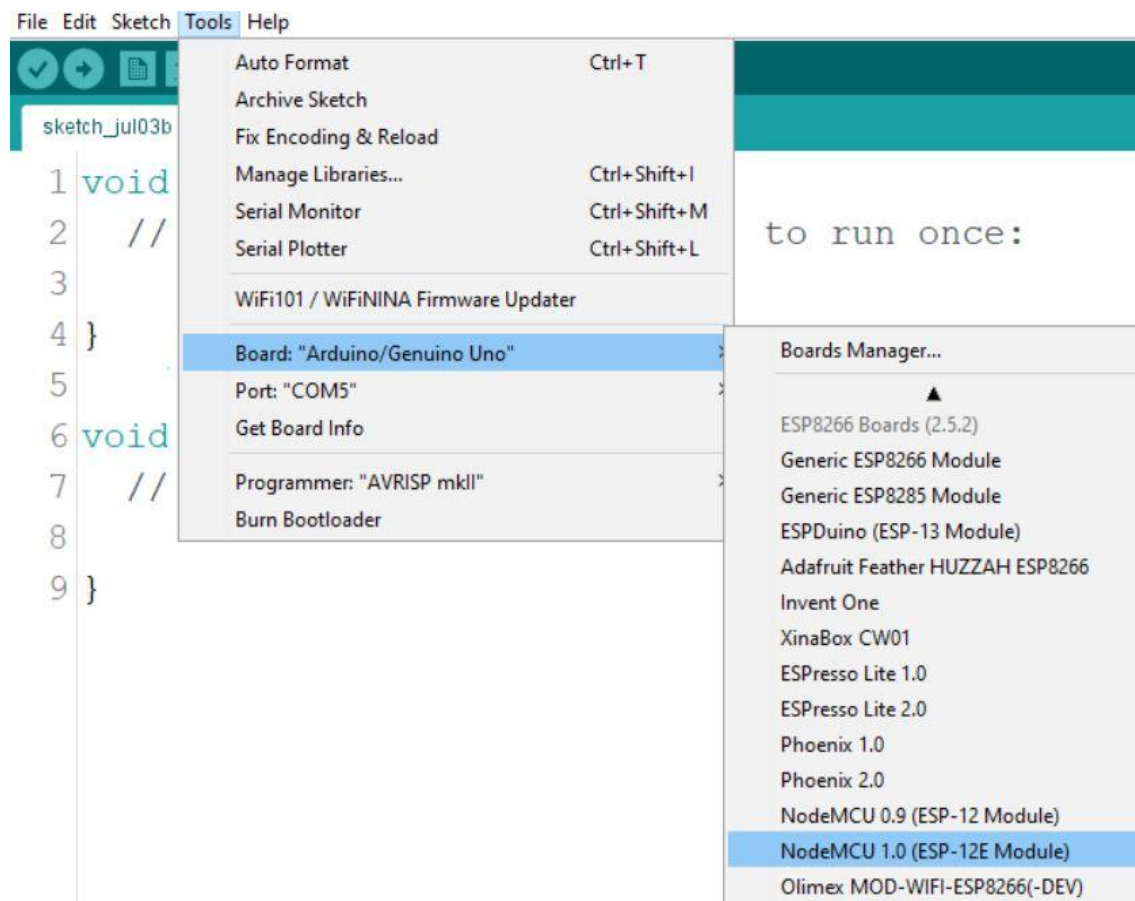


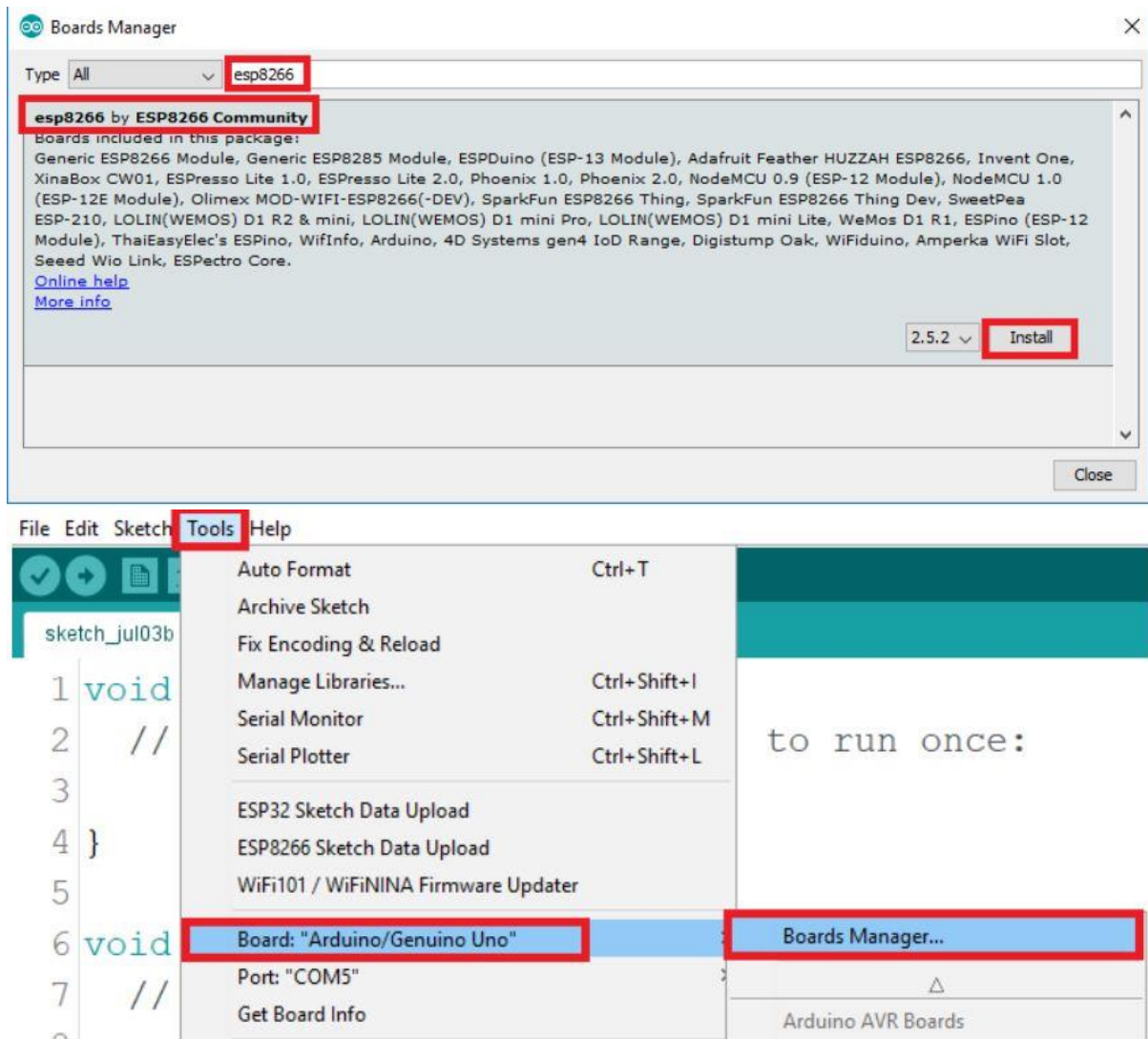
## Practical – 8

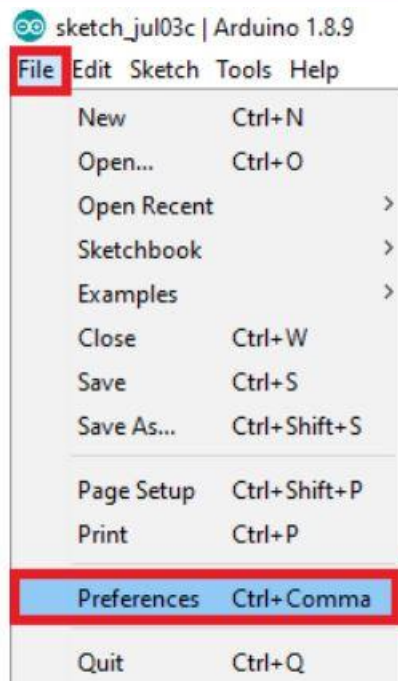
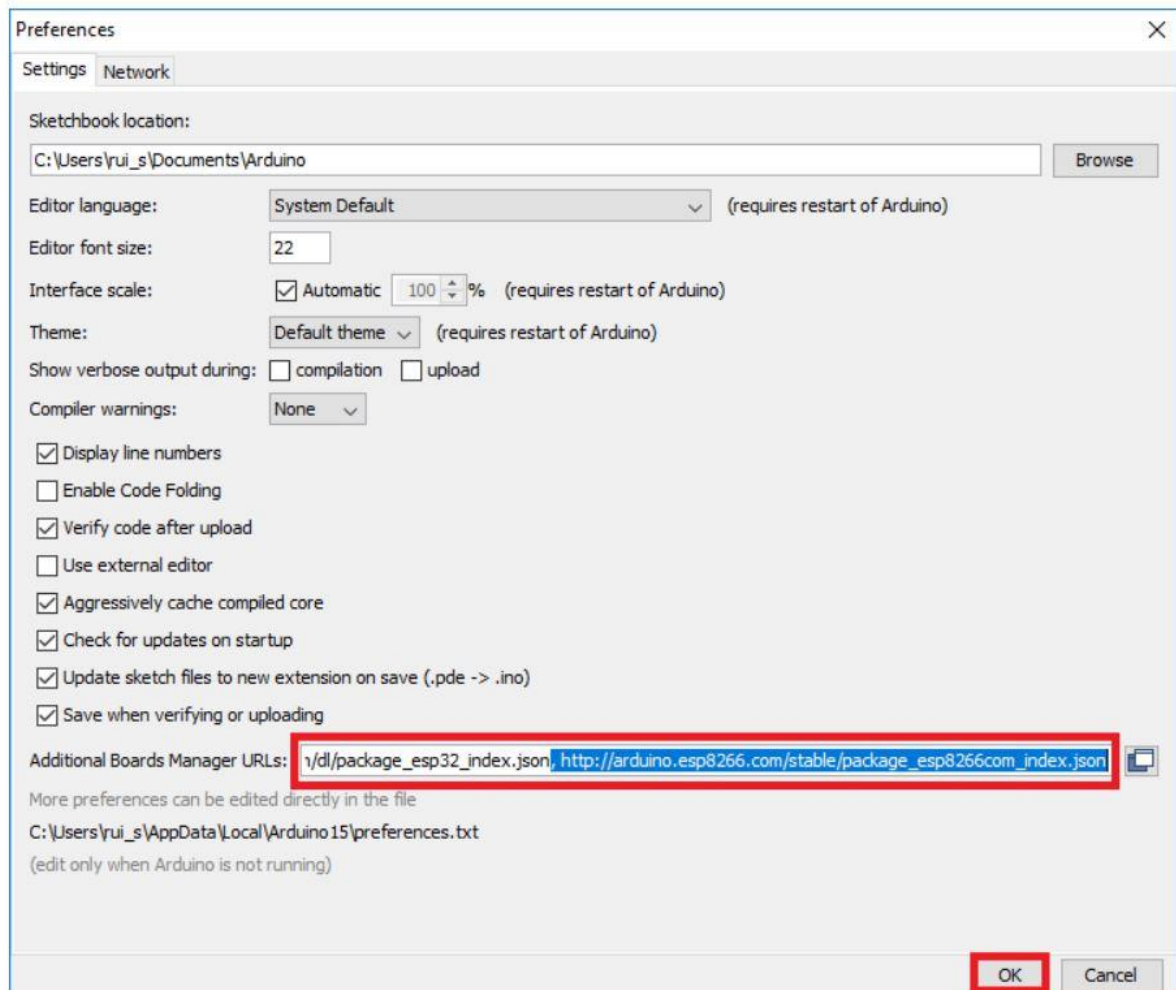
### Aim: Getting started with NodeMCU, add ESP8266 in the Arduino IDE. GPIO Interfacing and programming

- Step by step process of how to use and integrate ESP8266 in Arduino IDE with screenshots.









Programming & Interfacing of LED with ESP8266(NodeMCU)  
Code:

```
int pin = 2;
```

```
void setup() {  
  // initialize GPIO 2 as an output.  
  pinMode(pin, OUTPUT);  
}
```

```
// the loop function runs over and over again forever
```

```
void loop() {  
  digitalWrite(pin, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(1000);             // wait for a second  
  digitalWrite(pin, LOW);  // turn the LED off by making the voltage LOW  
  delay(1000);             // wait for a second  
}
```

Output:



