Getting started with ESP-IDF on IDE Arduino
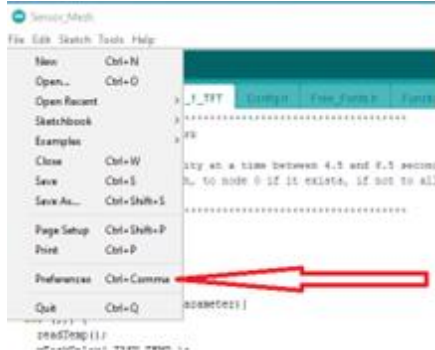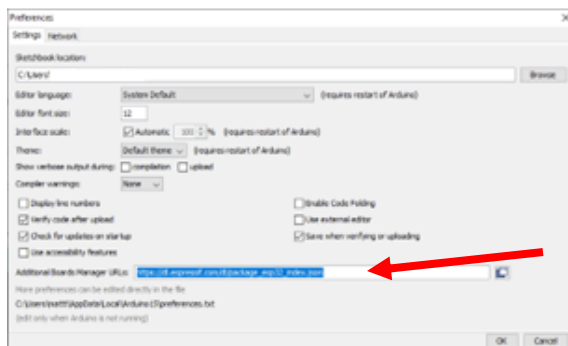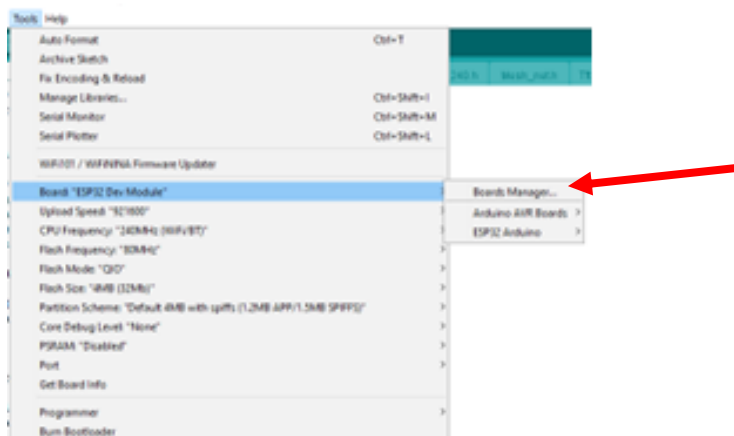
1. Install Arduino IDE
   Download and install the Arduino IDE for your PC platform
   https://www.arduino.cc/en/software

2. Configure Arduino preferences with Espressif IDE package

   In the "Additional Boards Manager URLs:" box enter
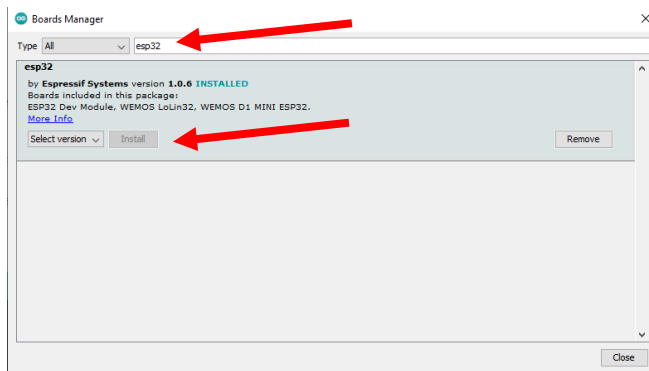   https://dl.espressif.com/dl/package_esp32_index.json
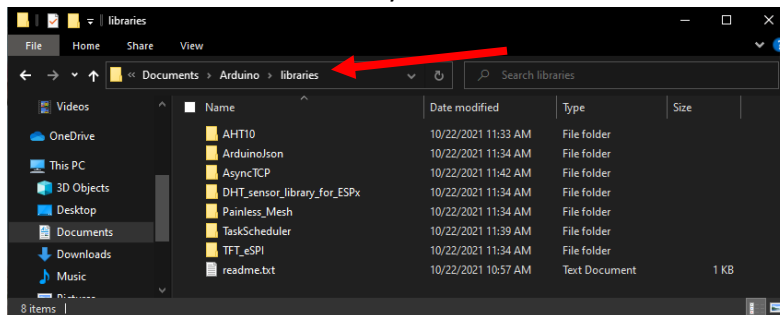

3. Install ESP32 in Arduino Manager

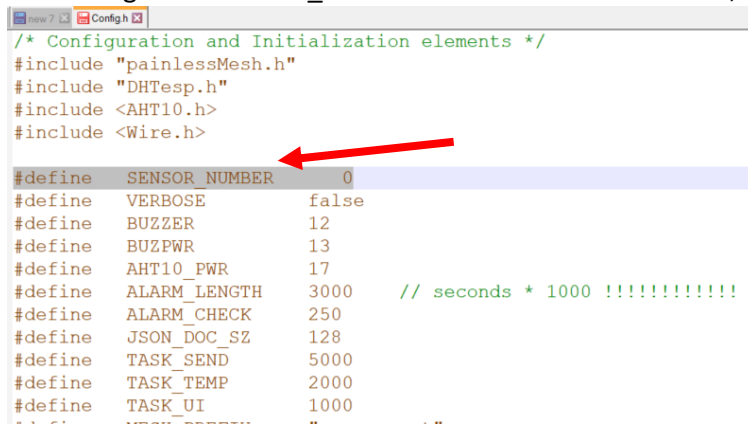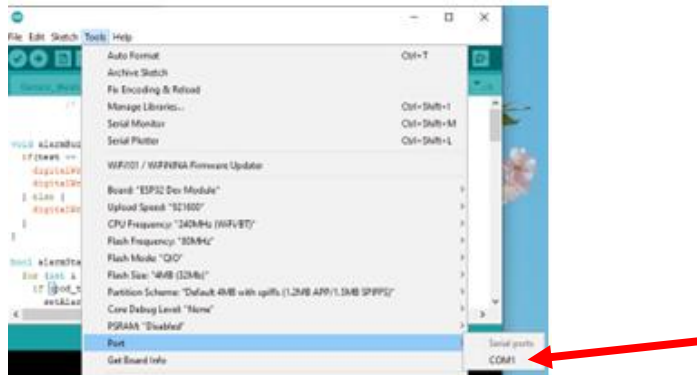Search for ESP32
Select install

4. Install Libraries in Arduino library tree

5. Open Temp sensor source code
Edit Config.h file SENSOR_NUMBER such that Main node = 0, Sensor1 = 1, Sensor2 = 2 etc.


```
/* Configuration and Initialization elements */
#include "painlessMesh.h"
#include "DHTesp.h"
#include <AHT10.h>
#include <Wire.h>

#define    SENSOR_NUMBER    0
#define    VERBOSE          false
#define    BUZZER           12
#define    BUZPWR           13
#define    AHT10_PWR        17
#define    ALARM_LENGTH     3000    // seconds * 1000 !!!!!!!!!!!!!
#define    ALARM_CHECK      250
#define    JSON_DOC_SZ      128
#define    TASK_SEND        5000
#define    TASK_TEMP        2000
#define    TASK_UI          1000
```

6. Select ESP32 board COM port

7. Compile and Flash software onto ESP32 board