

## Wasdom ESP32 Algorithm

### Steps:

1-Download [Arduino IDE](#).

2-Open the App after install.

3-in the menu bar choose the [file](#) then in list choose the [Preferences](#)  
Get down, in [Addition boards manger URLs](#), copy the link.

4- in the menu bar choose the [Tools](#) then in list choose the [Board: "Arduino Uno"](#) also in the list choose the [Boards Manger....](#)

5- The boards manger page will appear, write in the search bar [ESP32](#) then install.

6- Now connect the ESP32 to the [USB](#) cable.

7- in the menu bar choose the [Tools](#) then in list choose the [Board: "Arduino Uno"](#) also in the list choose the [ESP32 Arduino](#), choose [WEMOS D1 MINI ESP32](#).

8- in the menu bar choose the [Tools](#) then in list choose the [Port: "COM3"](#).

9- We want to turn on the [ESP lighting](#), in the menu bar choose the [File](#) then in list choose the [Board: "Arduino Uno"](#) also in the list choose the [ESP32 Arduino](#), choose [Examples](#), choose [01.Basics](#) then [Blink](#).

10- now we [write](#) the code.

```
void setup() {  
  pinMode(LED_BUILTIN,OUTPUT);  
}  
  
void loop() {  
  digitalWrite (LED_BUILTIN,HIGH);  
  delay(1000);  
  digitalWrite (LED_BUILTIN,LOW);  
  delay(1000);  
}
```

11- Save the code by pressing the [true](#) mark.

12- Running a hardware connected to the [web API](#).