TANSAM

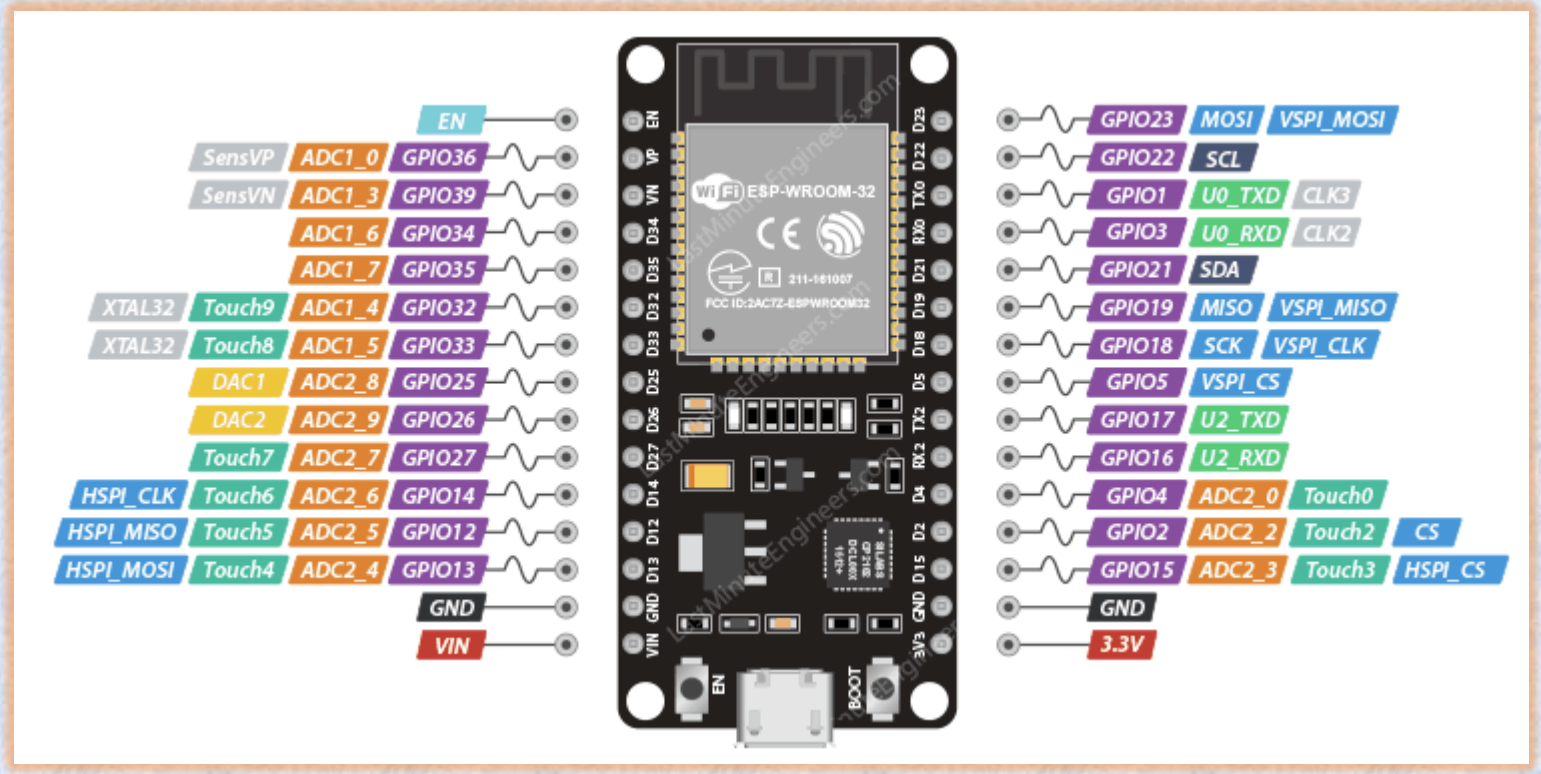
Powered by SIEMENS

Illuminate Your Path with LED Blinking (Built-in LED):

LIST OF COMPONENTS:

1. ESP32
2. USB CABLE

CIRCUIT DIAGRAM:

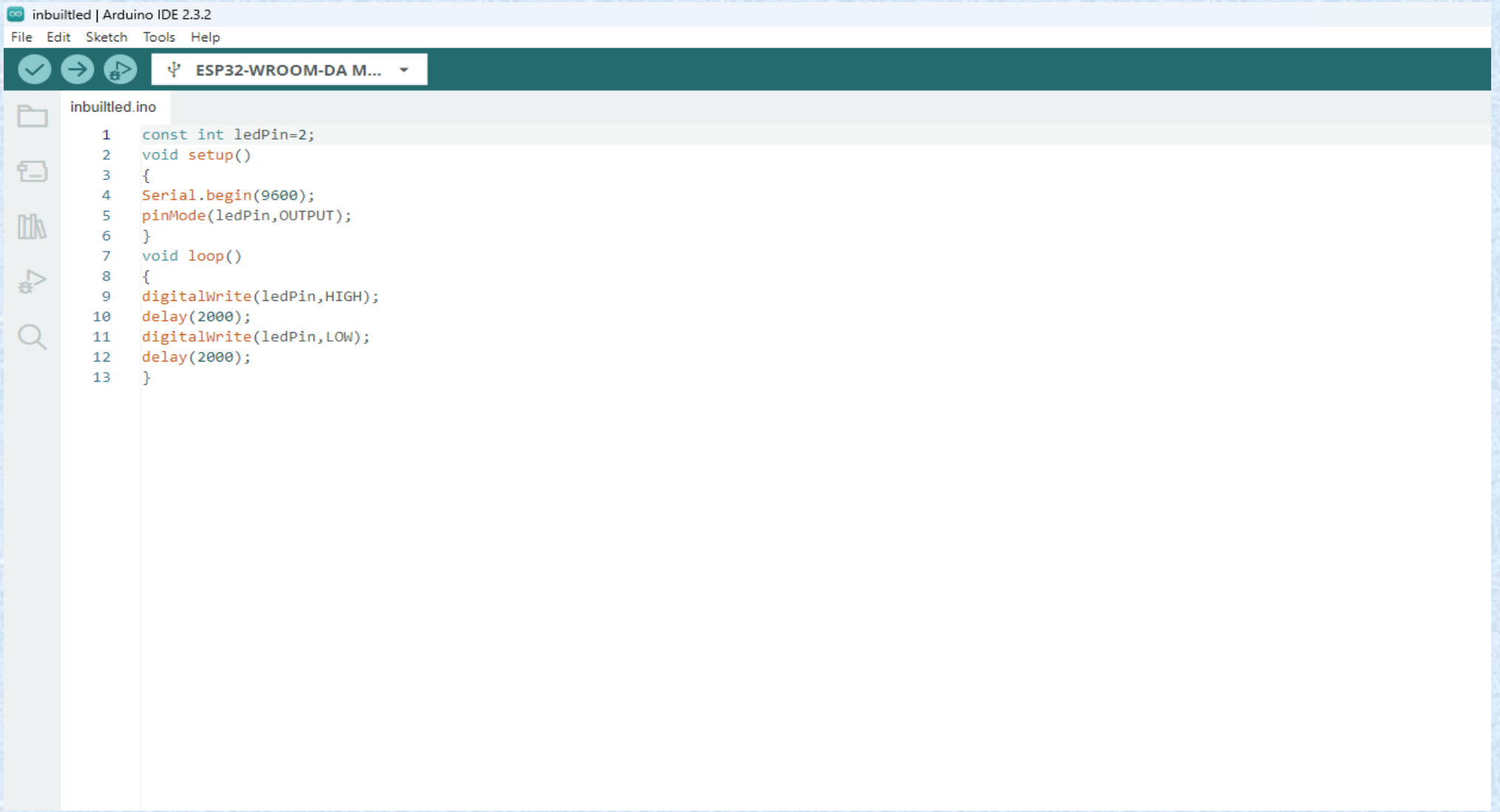


CODE:

```
const int ledPin=2;
void setup()
{
Serial.begin(9600);
pinMode(ledPin,OUTPUT);
}
void loop()
{
digitalWrite(ledPin,HIGH);
delay(2000);
digitalWrite(ledPin,LOW);
delay(2000);
}
```

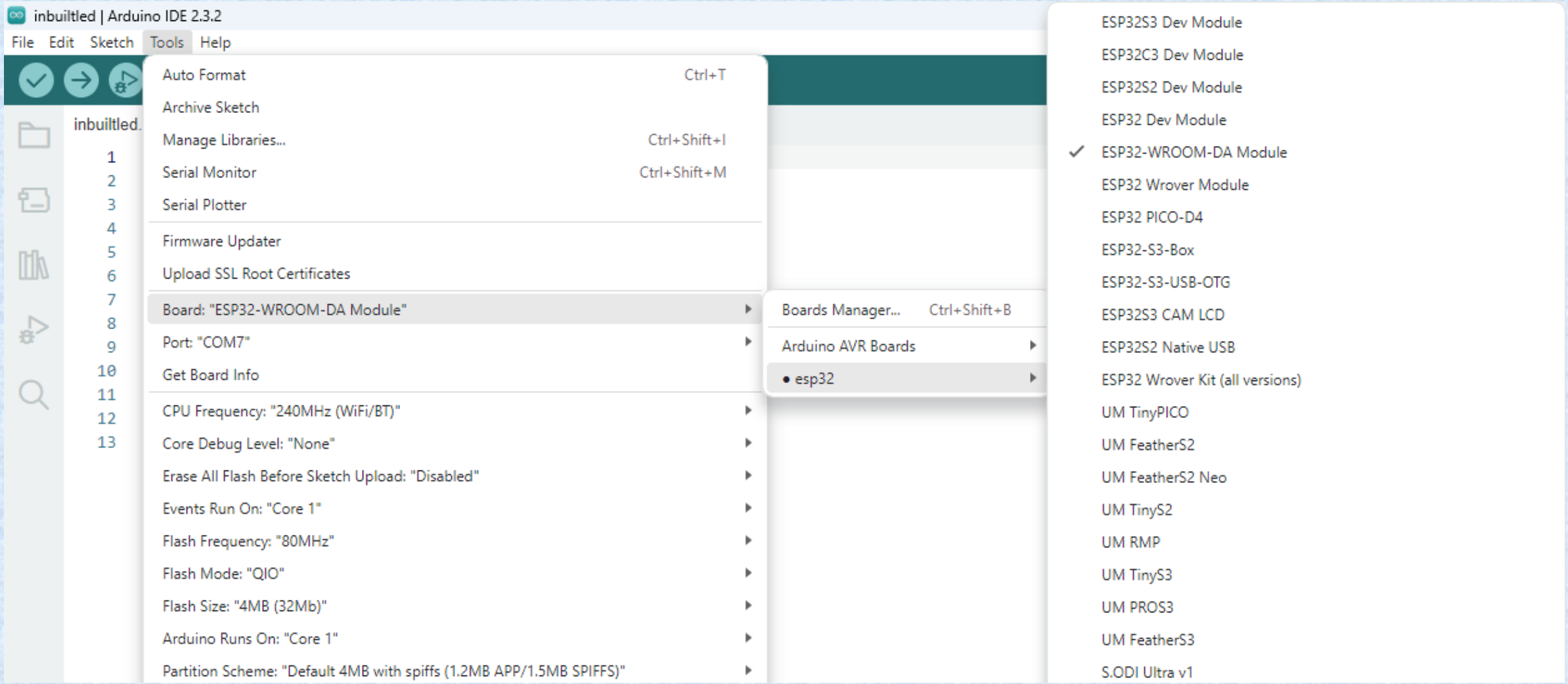
STEP 1:

Copy code paste in Arduino new Sketch



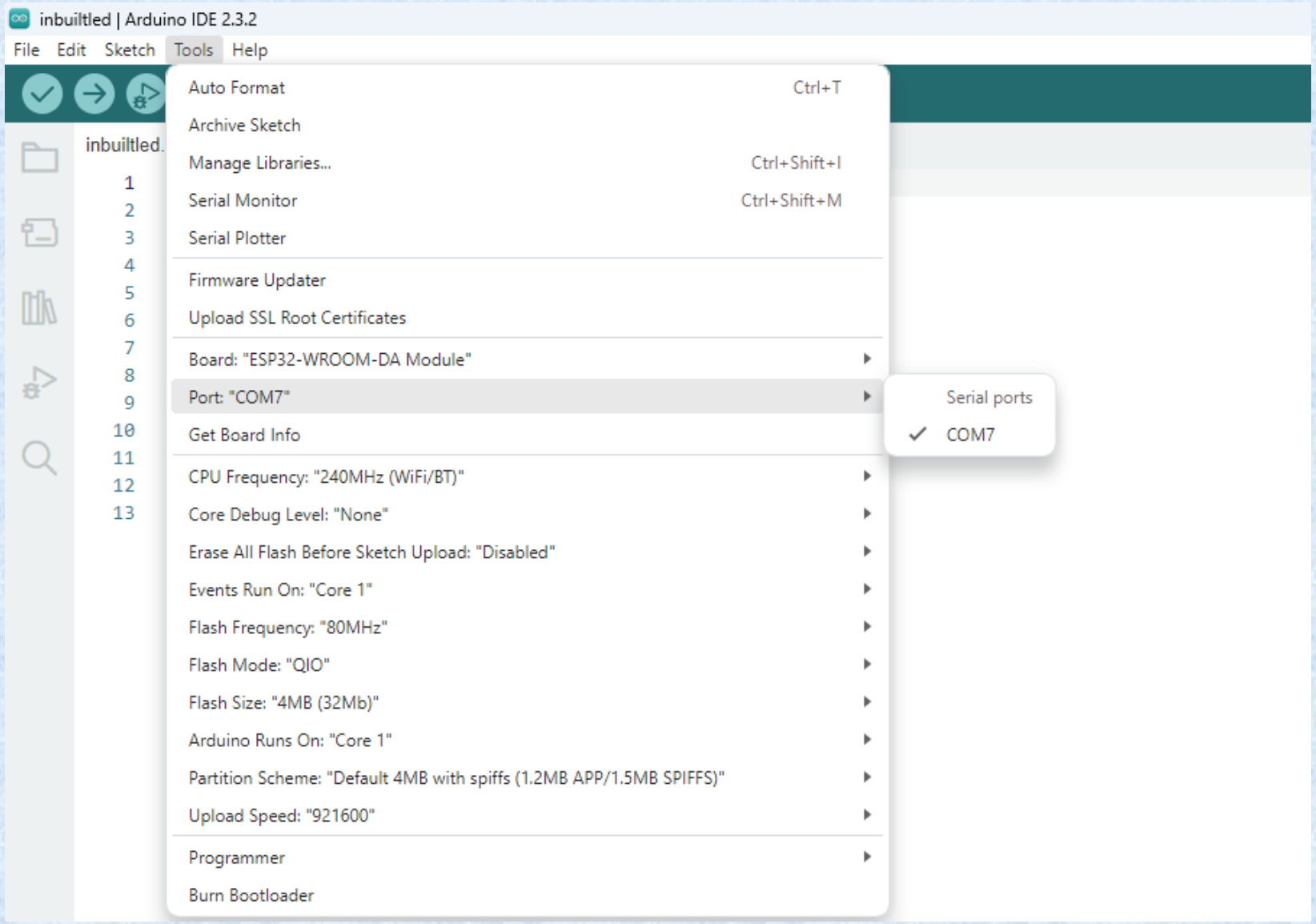
STEP 2:

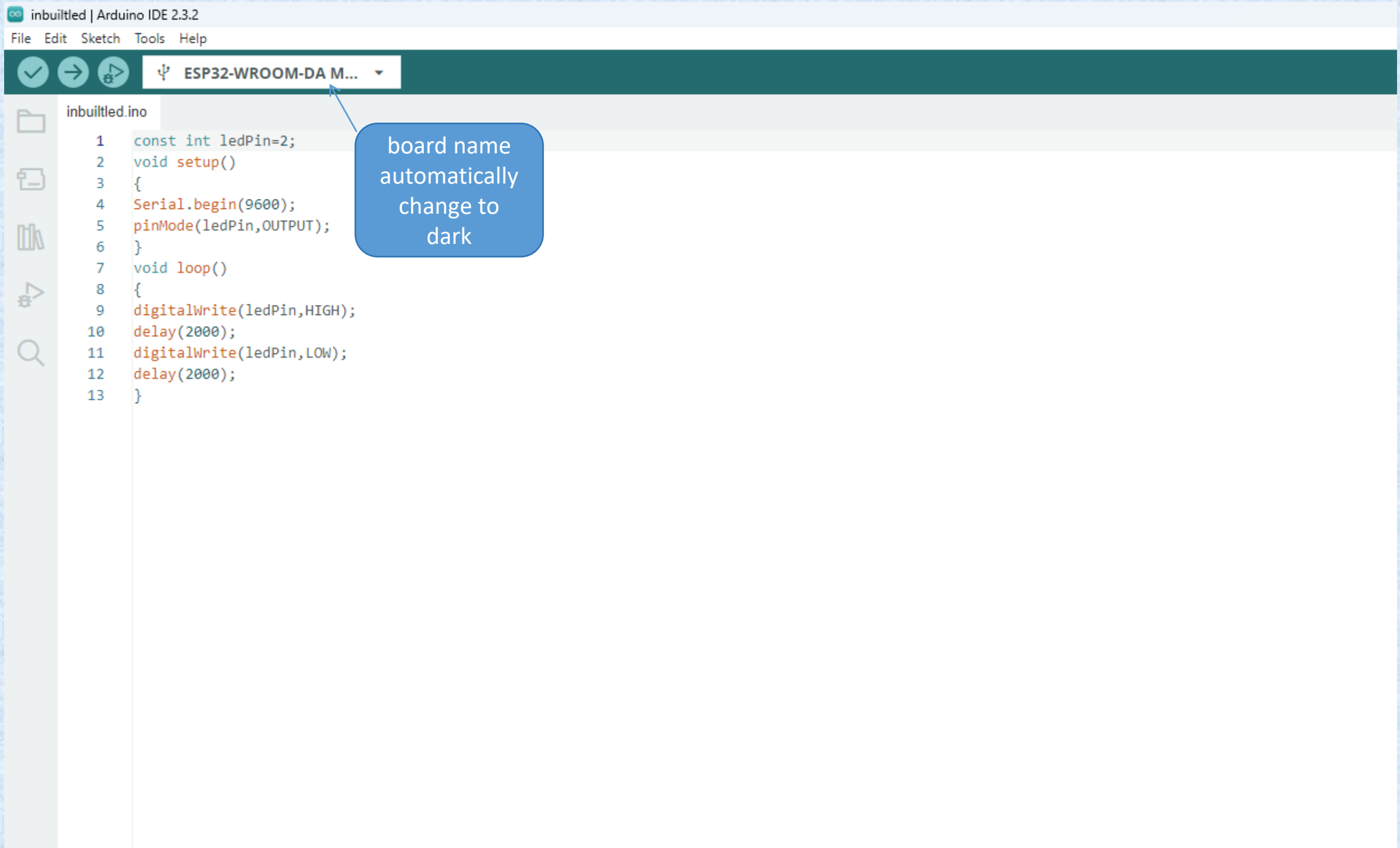
Board---->esp32---->esp32-wroom-DA module

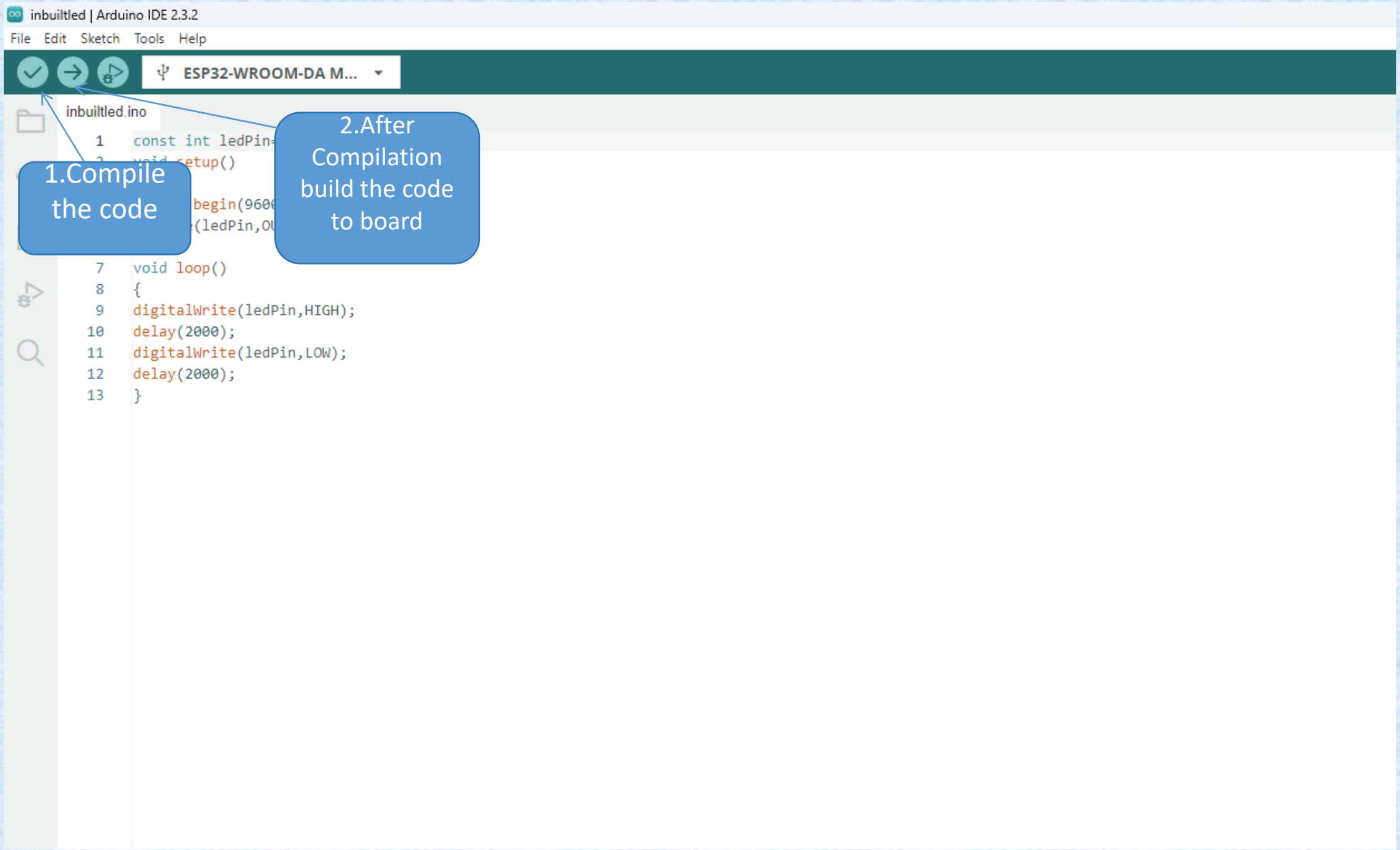


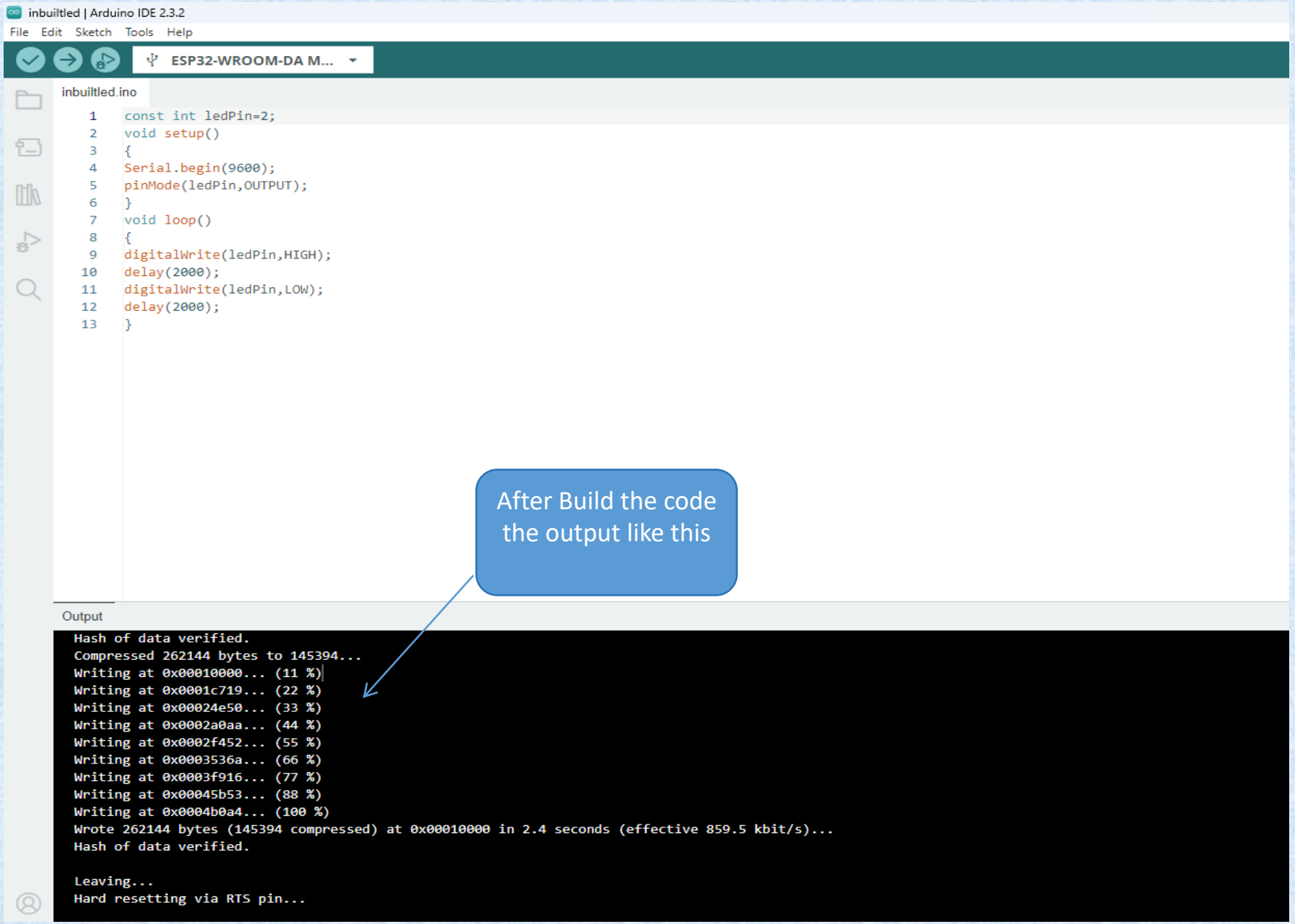
STEP 3:

Tools---->port---->select your com




inbuiltled | Arduino IDE 2.3.2
File Edit Sketch Tools Help
ESP32-WROOM-DA M...
inbuiltled.ino
1 const int ledPin=2;
2 void setup()
3 {
4 Serial.begin(9600);
5 pinMode(ledPin,OUTPUT);
6 }
7 void loop()
8 {
9 digitalWrite(ledPin,HIGH);
10 delay(2000);
11 digitalWrite(ledPin,LOW);
12 delay(2000);
13 }
board name automatically change to dark


inbuiltled | Arduino IDE 2.3.2
File Edit Sketch Tools Help
ESP32-WROOM-DA M...
inbuiltled.ino
1 const int ledPin=
begin(960
(ledPin,OU
7 void loop()
8 {
9 digitalWrite(ledPin,HIGH);
10 delay(2000);
11 digitalWrite(ledPin,LOW);
12 delay(2000);
13 }
1.Compile the code
2.After Compilation build the code to board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5 pinMode(ledPin,OUTPUT);
6 }
7 void loop()
8 {
9 digitalWrite(ledPin,HIGH);
10 delay(2000);
11 digitalWrite(ledPin,LOW);
12 delay(2000);
13 }
After Build the code the output like this
Output
Hash of data verified.
Compressed 262144 bytes to 145394...
Writing at 0x00010000... (11 %)
Writing at 0x0001c719... (22 %)
Writing at 0x00024e50... (33 %)
Writing at 0x0002a0aa... (44 %)
Writing at 0x0002f452... (55 %)
Writing at 0x0003536a... (66 %)
Writing at 0x0003f916... (77 %)
Writing at 0x00045b53... (88 %)
Writing at 0x0004b0a4... (100 %)
Wrote 262144 bytes (145394 compressed) at 0x00010000 in 2.4 seconds (effective 859.5 kbit/s)...
Hash of data verified.
Leaving...
Hard resetting via RTS pin...

FINAL OUTPUT:

When we upload the code the esp32 microcontroller will blink the inbuilt LED.