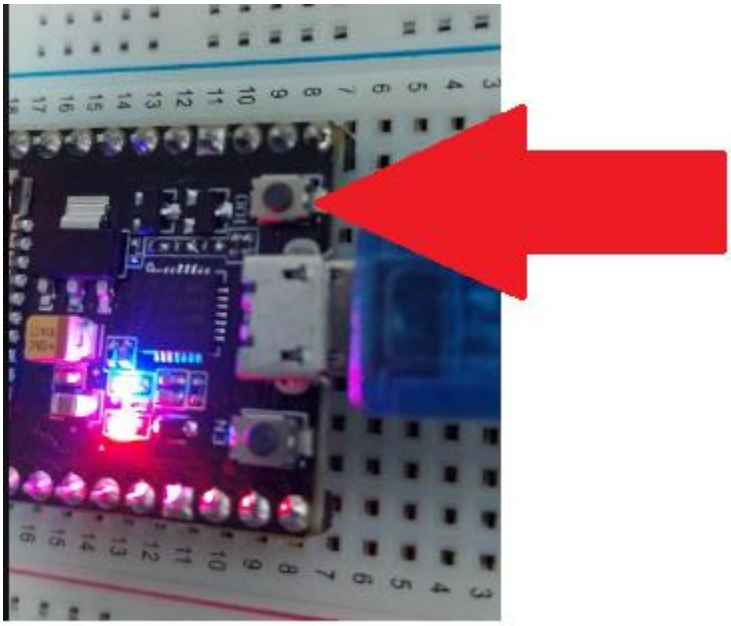
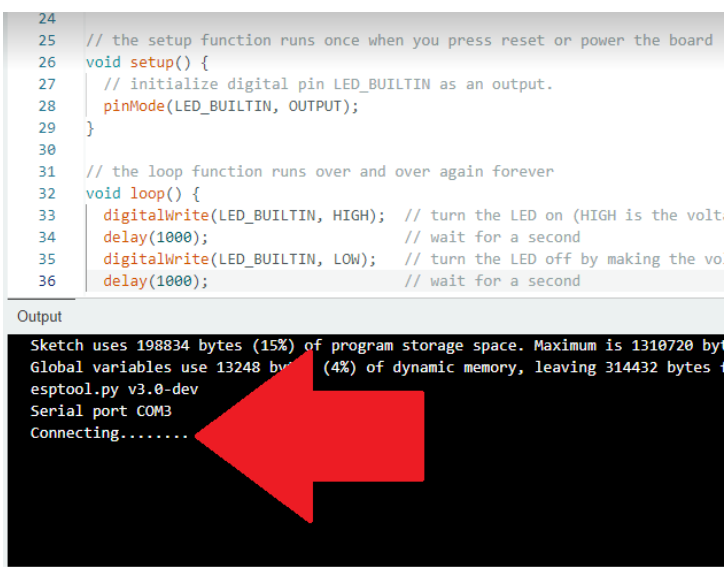
How to Upload the Arduino Code in ESP32 board.

1. **Press and hold** the **IDO** button in the ESP32 board.



2. Click the **Upload** button in the Arduino IDE.

3. Once you see the message "**Connecting**" in the display below the Arduino IDE, release the **IDO** button from Step 1.



4. Then you should see the Uploading sequence in the display.

```
28    pinMode(LED_BUILTIN, OUTPUT);
29  }
30
31  // the loop function runs over and over again forever
32  void loop() {
33    digitalWrite(LED_BUILTIN, HIGH);  // turn the LED on (HIGH is the voltage leve
34    delay(1000);                      // wait for a second
35    digitalWrite(LED_BUILTIN, LOW);   // turn the LED off by making the voltage LO
36    delay(1000);                      // wait for a second
```

Output

```
Writing at 0x00020000... (71 %)
Writing at 0x00024000... (85 %)
Writing at 0x00028000... (100 %)
Wrote 198944 bytes (102968 compressed) at 0x00010000 in 1.7 seconds (effective 910.0 kb
Hash of data verified.
Compressed 3072 bytes to 128...
Writing at 0x00008000... (100 %)
Wrote 3072 bytes (128 compressed) at 0x00008000 in 0.0 seconds (effective 2730.6 kbit/s
Hash of data verified.

Leaving...
Hard resetting via RTS pin...
```

And you will also see Done Uploading message.

```
27    // initialize digital pin LED_BUILTIN as an output.
28    pinMode(LED_BUILTIN, OUTPUT);
29  }
30
31  // the loop function runs over and over again forever
32  void loop() {
33    digitalWrite(LED_BUILTIN, HIGH);  // turn the LED on (HIGH is the voltage level)
34    delay(1000);                      // wait for a second
35    digitalWrite(LED_BUILTIN, LOW);   // turn the LED off by making the voltage LOW
36    delay(1000);                      // wait for a second
```

Output

```
Writing at 0x00020000... (71 %)
Writing at 0x00024000... (85 %)
Writing at 0x00028000... (100 %)
Wrote 198944 bytes (102968 compressed) at 0x00010000 in 1.7 seconds (effective 916.3 kbit/s)...
Hash of data verified.
Compressed 3072 bytes to 128...
Writing at 0x00008000... (100 %)
Wrote 3072 bytes (128 compressed) at 0x00008000 in 0.0 seconds (effective 2048.0 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...
```

Done uploading.