

1-First step, I download Arduino IDE

2-second step, I want to download ESP32 so, i go to tools then board then boards Manager , form search I write esp32 but there nothing!!

3-third step , to fix the problem in the second step , I go to file then preference , I put this URL

https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json

this is Stable release link.

4-fourth steps , i repeat the second step to download ESp32 .

5- fifth step, I go to tools then select name of ESP32

6- sixth step, I go to tools then port then select a COM

Finally I put my code and I run it in simulator to be sure it working well in specified second , it really run well

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sketch.ino diagram.json Library Manager

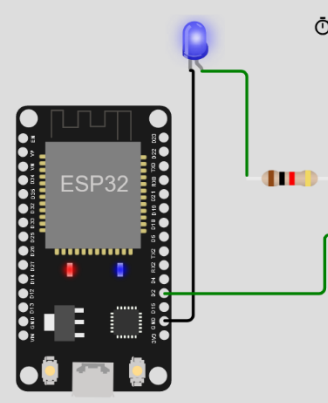
```

1
2 #define LEDPIN 2
3 void setup() {
4   // put your setup code here, to run once:
5   //Serial.begin(115200);
6   //Serial.println("Hello, ESP32!");
7   pinMode(LEDPIN, OUTPUT);
8 }
9
10
11 void loop() {
12   // put your main code here, to run repeatedly:
13
14   digitalWrite(LEDPIN, HIGH);
15   delay(100); // this speeds up the simulation
16   digitalWrite(LEDPIN, LOW);
17   delay(100);
18 }
19
20
21
22

```

Simulation

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sketch.ino diagram.json Library Manager

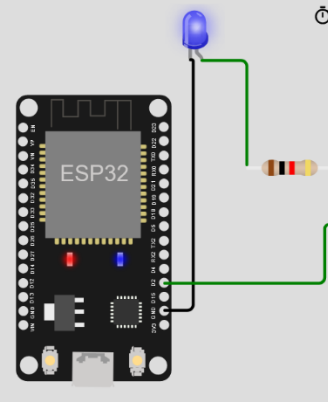
```

1 {
2   "version": 1,
3   "author": "Anonymous maker",
4   "editor": "wokwi",
5   "parts": [
6     { "type": "wokwi-esp32-devkit-v1", "id": "esp", "top": 0, "left": 0, "a
7   },
8     { "type": "wokwi-led",
9       "id": "led1",
10      "top": -64.15,
11      "left": 102.83,
12      "attrs": { "color": "blue" }
13    },
14     { "type": "wokwi-resistor",
15       "id": "r1",
16       "top": 40.52,
17       "left": 157.5,
18       "attrs": { "value": "1000" }
19    }
20  ],
21  "connections": [
22    [ "esp:TX0", "$serialMonitor:RX", "", [] ],
23    [ "esp:RX0", "$serialMonitor:TX", "", [] ],
24    [ "esp:GND.1", "led1:C", "black", [ "h19.53", "v-171.15" ] ],
25    [ "esp:D2", "r1:2", "green", [ "h109.53", "v-40.14", "h17.33" ] ],
26    [ "r1:1", "led1:A", "green", [ "v-71.26", "h-30.67" ] ]
27  ]
28 }

```

Simulation

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