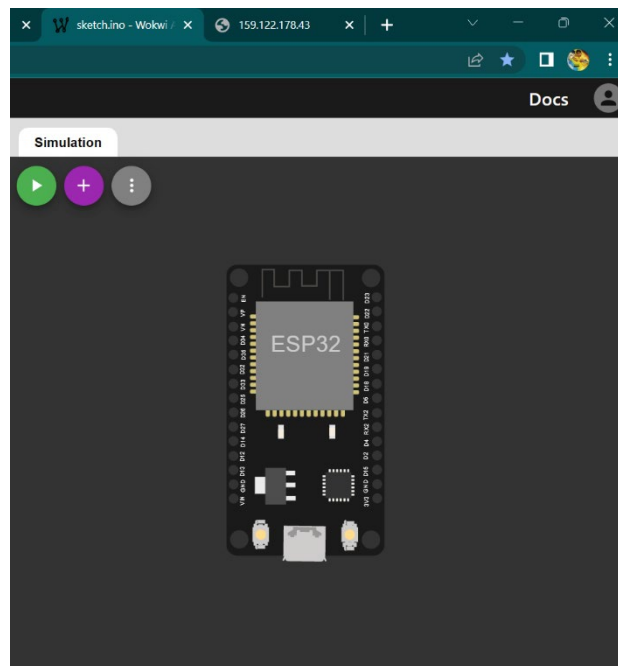


Develop a wokwi simulation

As we have developed the project in wokwi, we have simulated using wokwi.



Publish ok

22:16:12Sending payload: {"hour":22,"minute":16,"seconds":12}

Publish ok

22:16:14Sending payload: {"hour":22,"minute":16,"seconds":14}

Publish ok

22:16:16Sending payload: {"hour":22,"minute":16,"seconds":16}

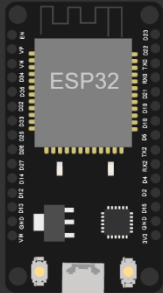
Publish ok

WOKWI

sketch.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h> //library for wifi
2 #include <PubSubClient.h> //library for MQTT
3 #include "time.h"
4 #define LED 5
5
6 const char* ssid = "Wokwi-GUEST";
7
8 const char* ntpServer = "0.in.pool.ntp.org";
9 const long  gmtOffset_sec = 19800;
10 const int   daylightOffset_sec = 3600;
11
12
13 int hour;
14 int minute;
15 int seconds;
16
17 long current;
18 struct tm timeinfo;
19
20
21 void callback(char* subscribetopic, byte* payload, unsigned int payload
22
23 //-----credentials of IBM Accounts-----
24
25 #define ORG "g3hxrh"
26 #define DEVICE_TYPE "Nodemcu"
27 #define DEVICE_ID "1234"
```

Simulation

A digital illustration of an ESP32 microcontroller module. The module is rectangular with a black PCB. It features a large, square, silver-colored integrated circuit (the ESP32 chip) in the center. Surrounding the chip are various electronic components, including smaller integrated circuits, resistors, and capacitors. The module has two rows of gold-plated pins along its long edges, which are used for connecting to other components or a breadboard. The text "ESP32" is printed on the PCB near the top of the chip.