20BCE10471 | VIT Bhopal Campus

Suresh Mahalingam Konar

Assignment: 3

In wokwi add LED and switch on and off from node-red

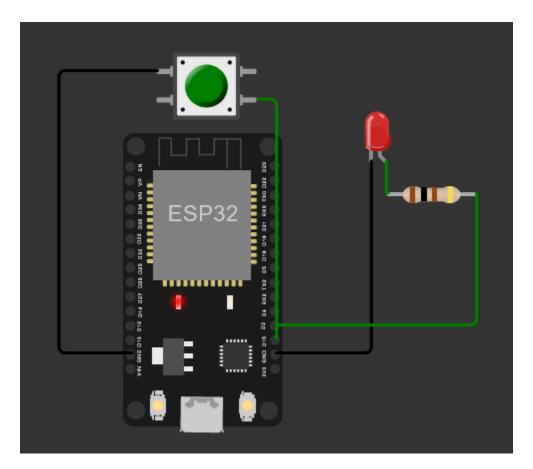
Implementation

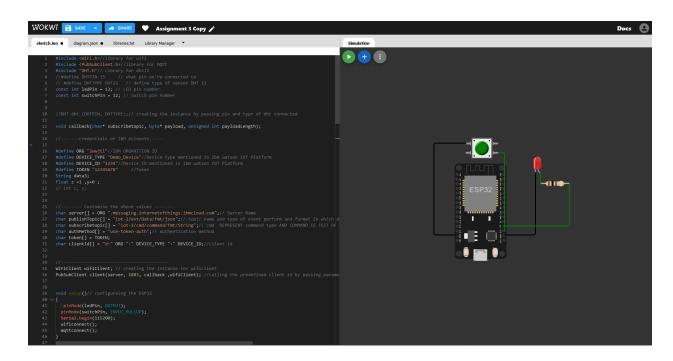
Code:

```
#Include wdifi.hb//library for wdf1
#Include vdifi.hb//library for MQtt
#Include vdifi.hb//library for MQtt
#Include vdifi.hb//library for dwti
#Include vdifi.hb/library for dwti
#Include vdi
```

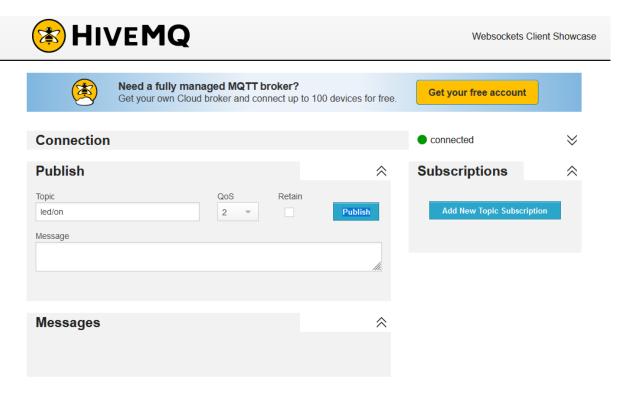
```
while (WiFi.status() != WL_CONNECTED) {
   delay(500);
  Serial.println("");
Serial.println("WiFi connected");
  Serial.println(WiFi.localIP());
void initManagedDevice() {
 if (client.subscribe(subscribetopic)) {
   Serial.println((subscribetopic));
    Serial.println("subscribe to cmd OK");
    Serial.println("subscribe to cmd FAILED");
void callback(char* subscribetopic, byte* payload, unsigned int payloadLength)
  Serial.println(subscribetopic);
  for (int i = 0; i < payloadLength; i++) {
   data3 += (char)payload[i];
  if(data3=="lighton")
Serial.println(data3);
```

Simulation:

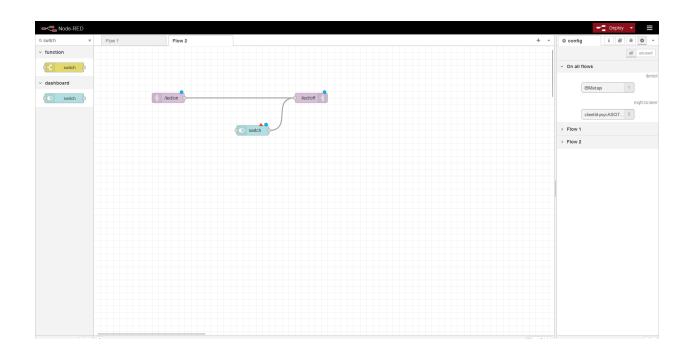




HiveMQ MQTT Server:



Node-red:



Wokwi Link

Assignemnt Open link : <u>Link</u>

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