



## ESP32 NTP Example.ino

diagram.json

libraries.txt

Library Manager

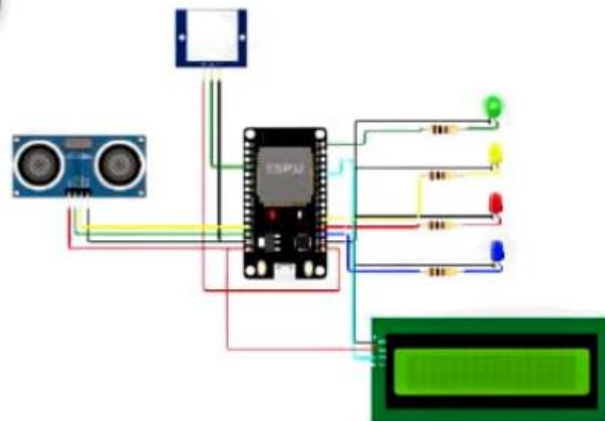


```
1  #include <WiFi.h> // library for wifi
2  #include <PubSubClient.h> // library for MQTT
3  #include <LiquidCrystal_I2C.h>
4  #include <mjson.h>
5  LiquidCrystal_I2C lcd(0x27, 20, 4);
6
7  //----- credentials of IBM Accounts -----
8
9  #define ORG "9gbe4w" // IBM organisation id
10 #define DEVICE_TYPE "SWMSMC" // Device type mentioned in
11 #define DEVICE_ID "ibmproject" // Device ID mentioned in ibm
12 #define TOKEN "sUNA41tG6-Pq)0rk5X" // Token
13
14 //----- customise above values -----
15
16 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
17 char publishTopic[] = "iot-2/evt/data/fmt/json";
18 char topic[] = "iot-2/cmd/led/fmt/String";
19 char authMethod[] = "use-token-auth";
20 char token[] = TOKEN;
21 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
22
23 //-----
24
25 WiFiClient wificlient;
26 PubSubClient client(server, 1883, wificlient);
```

## Simulation



00:06.466 100%



Sending payload: {"Safe":169.98 }  
Publish OK

Sending payload: {"Safe":169.97 }  
Publish OK





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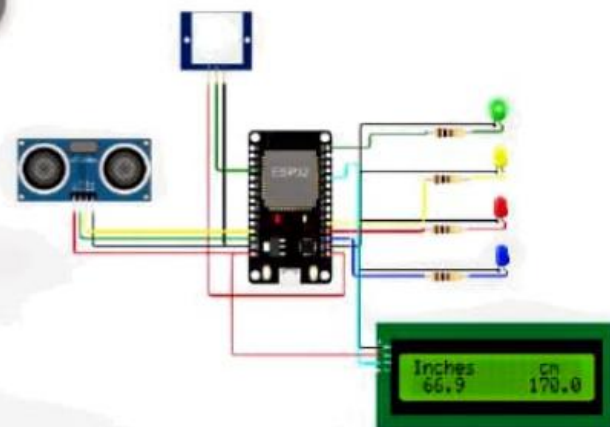
Library Manager

```
1 {
2   "version": 1,
3   "author": "Uri Shaked",
4   "editor": "wokwi",
5   "parts": [
6     { "type": "wokwi-esp32-devkit-v1", "id": "esp", "top": 1.29, "left":
7     {
8       "type": "wokwi-led",
9       "id": "led1",
10      "top": -43.97,
11      "left": 296.62,
12      "attrs": { "color": "limegreen" }
13    },
14    {
15      "type": "wokwi-led",
16      "id": "led2",
17      "top": 15.48,
18      "left": 299.36,
19      "attrs": { "color": "yellow" }
20    },
21    {
22      "type": "wokwi-led",
23      "id": "led3",
24      "top": 140.83,
25      "left": 302.1,
```

Simulation



00:12.016 89%



Publish OK

Sending payload: {"Safe":169.97 }

Publish OK

Sending payload: {"Safe":169.98 }

Publish OK





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Library Manager

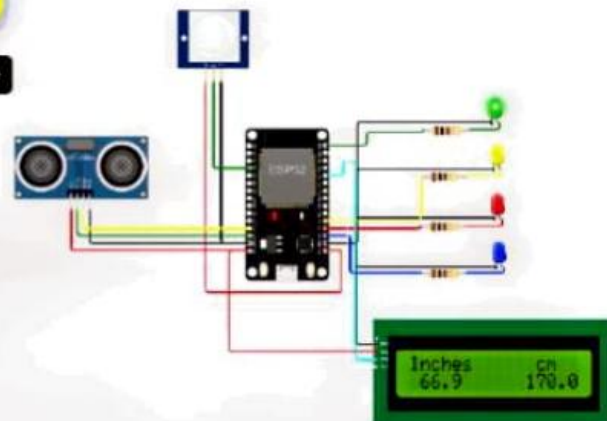
Simulation

00:16.833 54%

```
1
2 # Wokwi Library List
3 # See https://docs.wokwi.com/guides/libraries
4
5 WiFi
6 PubSubClient
7 LiquidCrystal I2C
8 mjson
```



Resume



Publish OK

Sending payload: {"Safe":169.97 }

Publish OK

Sending payload: {"Safe":169.97 }

Publish OK





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Library Manager

## Project Libraries

## Installed Libraries



WiFi



PubSubClient



LiquidCrystal I2C



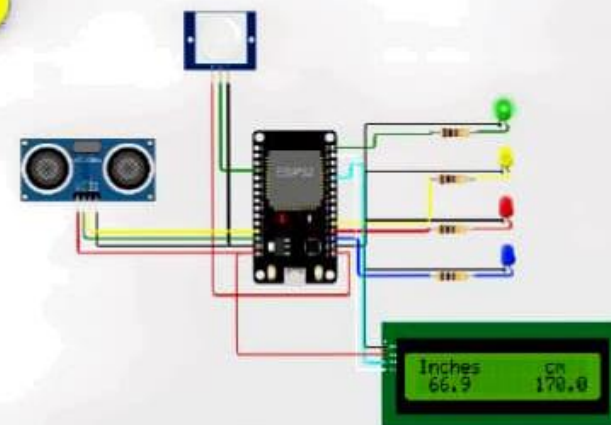
mjson



Simulation



00:16.833 54%



Publish OK

Sending payload: {"Safe":169.97 }

Publish OK

Sending payload: {"Safe":169.97 }

Publish OK

