

Assignment 3

Sujitha M

Holycross Engineering College

III year ECE

```
#include <ESP8266WiFi.h>
#include <IBMCloud.h>

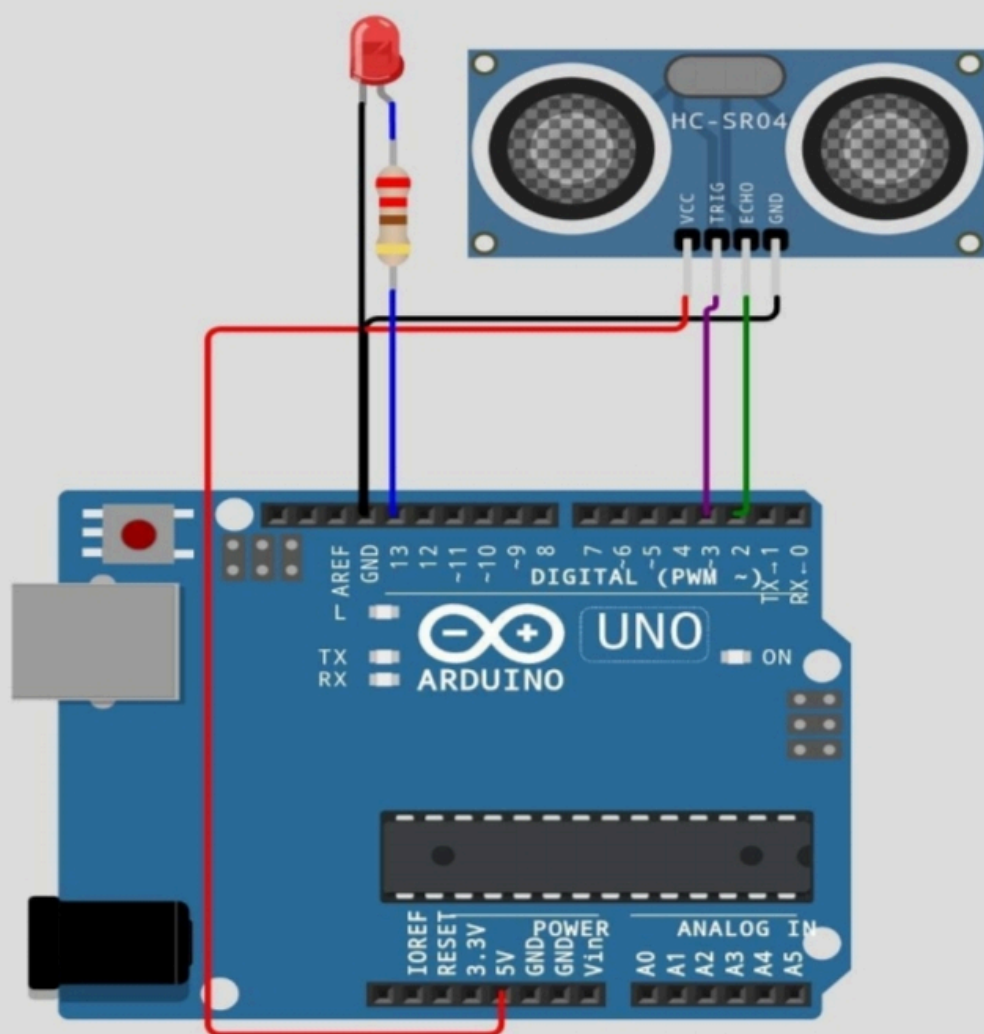
#define TRIG_PIN 2
#define ECHO_PIN 3

WiFiClient wifiClient;
IBMCloud ibmCloud(wifiClient, org, type, id, authMethod, token, server);

void setup() {
  Serial.begin(9600);
  pinMode(TRIG_PIN, OUTPUT);
  pinMode(ECHO_PIN, INPUT);
  WiFi.begin(ssid, password);
  while (WiFi.status() != WL_CONNECTED) {
    delay(1000);
    Serial.println("Connecting to WiFi...");
  }
  Serial.println("Connected to WiFi");
  ibmCloud.connect();
}

void loop() {
  long duration, distance;
```

```
digitalWrite(TRIG_PIN, LOW);  
delayMicroseconds(2);  
digitalWrite(TRIG_PIN, HIGH);  
delayMicroseconds(10);  
digitalWrite(TRIG_PIN, LOW);  
duration = pulseIn(ECHO_PIN, HIGH);  
distance = duration / 58;  
if (distance < 100) {  
    ibmCloud.publishEvent("distance", String(distance));  
}  
delay(500);}
```



2:28



cloud.ibm.com



29



IBM Cloud



Catalog

Manage



IBM Cloud Activity Tracker-a9 (in-che)



Find a View

Everything

Filters



Everything

Views

Views are a great way to bookmark frequent searches or filters. To create a view, search and filter your logs, then click on the [view menu](#).



c3632bcb-5455-4058-9d2c-d...
Lite



Search ...

Jump to



LIVE