

2→

```

11:04:23.041 -> Waiting...
11:04:25.045 -> Soil Moisture(in Percentage) = 49%
11:04:26.198 -> Data Send to Thingspeak
11:04:26.494 -> Waiting...
11:04:28.609 -> Soil Moisture(in Percentage) = 49%
11:04:29.008 -> Data Send to Thingspeak
11:04:29.365 -> Waiting...
11:04:31.361 -> Soil Moisture(in Percentage) = 49%
11:04:31.922 -> Data Send to Thingspeak
11:04:32.254 -> Waiting...
11:04:34.232 -> Soil Moisture(in Percentage) = 49%
11:04:34.790 -> Data Send to Thingspeak
11:04:35.123 -> Waiting...
11:04:37.084 -> Soil Moisture(in Percentage) = 49%
11:04:37.660 -> Data Send to Thingspeak
11:04:37.988 -> Waiting...
11:04:39.979 -> Soil Moisture(in Percentage) = 49%
11:04:40.541 -> Data Send to Thingspeak
11:04:40.822 -> Waiting...
11:04:42.892 -> Soil Moisture(in Percentage) = 49%
11:04:43.394 -> Data Send to Thingspeak
11:04:43.722 -> Waiting...
11:04:45.695 -> Soil Moisture(in Percentage) = 49%
11:04:46.268 -> Data Send to Thingspeak
11:04:46.593 -> Waiting...
11:04:48.587 -> Soil Moisture(in Percentage) = 49%
11:04:49.147 -> Data Send to Thingspeak
11:04:49.428 -> Waiting...
11:04:51.430 -> Soil Moisture(in Percentage) = 49%
11:04:52.023 -> Data Send to Thingspeak
11:04:52.301 -> Waiting...
11:04:54.320 -> Soil Moisture(in Percentage) = 49%
11:04:54.844 -> Data Send to Thingspeak
11:04:55.163 -> Waiting...
11:04:57.197 -> Soil Moisture(in Percentage) = 49%
11:04:57.788 -> Data Send to Thingspeak
11:04:58.036 -> Waiting...
11:05:00.051 -> Soil Moisture(in Percentage) = 49%
  
```

3→

```

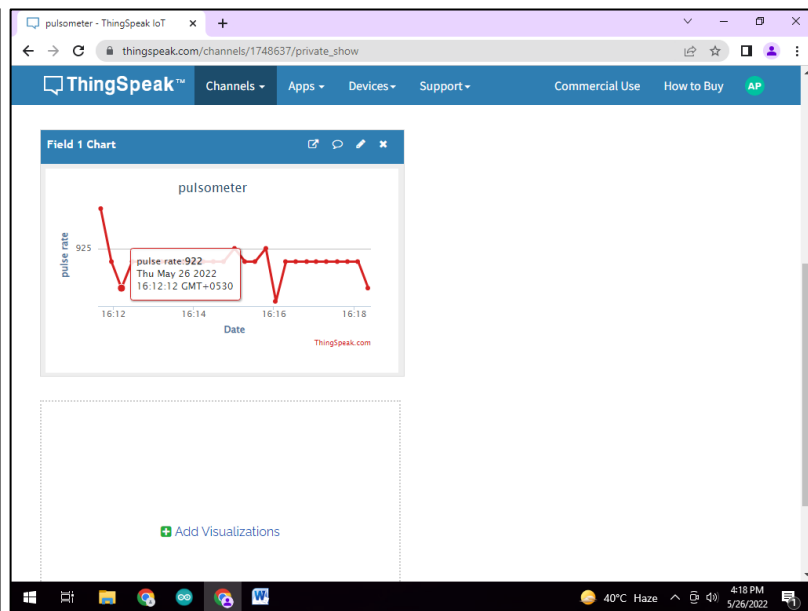
#include <ESP8266WiFi.h>;
#include <WiFiClient.h>;
#include <ThingSpeak.h>;

const char* ssid = "MiliFi"; //Your Network SSID
const char* password = "nrlf853799"; //Your Network Password
int val;
int PulseSensorpin = A0; //Pulse Sensor Pin Connected at A0 Pin
WiFiClient client;

unsigned long myChannelNumber = 1748637 ; //Your Channel Number (Without Brackets)
const char * myWriteAPIKey = "IQXB3VH1OYA82TN2"; //Your Write API Key

void setup()
{
  Serial.begin(9600);
  delay(10);
  // Connect to WiFi network
  WiFi.begin(ssid, password);
  ThingSpeak.begin(client);
}

void loop()
{
  val = analogRead(PulseSensorpin); //Read Analog values and Store in val variable
  Serial.println("Pulse Sensorvalue= "); // Start Printing on Pulse sensor value on LCD
  Serial.println(val); // Start Printing on Pulse sensor value on LCD
  delay(10);
  ThingSpeak.writeField(myChannelNumber, 1,val, myWriteAPIKey); //Update in ThingSpeak
}
  
```



3→

```

925
Pulse Sensorvalue=
924
Pulse Sensorvalue=
924
Pulse Sensorvalue=
925
Pulse Sensorvalue=
922
Pulse Sensorvalue=
924
Pulse Sensorvalue=
925
Pulse Sensorvalue=
925
Pulse Sensorvalue=
924
Pulse Sensorvalue=
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Pulse Sensorvalue=
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Pulse Sensorvalue=
924
Pulse Sensorvalue=
925
  
```

```

#include <ESP8266WiFi.h>
#include <SPI.h>
#include <Wire.h>
String apiKey = "WH6FJ585QMKEPIQ2A"; // Enter your Write API key from ThingSpeak
const char *ssid = "Redmi note 8 pro"; // replace with your wifi ssid and wpa2 key
const char *pass = "12345678";
const char* server = "api.thingspeak.com";
const int sensor_pin = A0; // Connect Soil moisture analog sensor pin to A0 of NodeMCU
WiFiClient client;
void setup() {
  Serial.begin(115200);
  delay(10);
  Serial.println("Connecting to ");
  Serial.println(ssid);
  WiFi.begin(ssid, pass);
  while (WiFi.status() != WL_CONNECTED)
  {
    delay(500);
    Serial.print(".");
  }
  Serial.println("");
  Serial.println("WiFi connected");
  delay(4000);
}
void loop()
{
  int moisture_percentage;

  moisture_percentage = ( 100.00 - ( (analogRead(sensor_pin)/1023.00) * 100.00 ) );

  Serial.print("Soil Moisture(in Percentage) = ");

```

```

  Serial.print(moisture_percentage);
  Serial.println("%");
  if (client.connect(server, 80)) // "184.106.153.149" or api.thingspeak.com
  {
    String postStr = apiKey;
    postStr += "&field1=";
    postStr += String(moisture_percentage);
    postStr += "\r\n";
    client.print("POST /update HTTP/1.1\r\n");
    client.print("Host: api.thingspeak.com\r\n");
    client.print("Connection: close\r\n");
    client.print("X-THINGSPEAKAPIKEY: " + apiKey + "\r\n");
    client.print("Content-Type: application/x-www-form-urlencoded\r\n");
    client.print("Content-Length: ");
    client.print(postStr.length());
    client.print("\r\n\r\n");
    client.print(postStr);
    Serial.println("Data Send to Thingspeak");
  }
  client.stop();
  Serial.println("Waiting...");
  delay(2000); // thingspeak needs minimum 15 sec delay between updates
}

```

3→

