

NODE MCU (ESP8266) CODE:

```
#include <ESP8266WiFi.h>
#include <FirebaseESP8266.h>

#define FIREBASE_HOST "https://fypproject-aad89-default-rtdb.firebaseio.com/"
#define FIREBASE_AUTH "jFfGspae mqd9DmL3frOmQMPx6G6yUTZ4gvXEh38r"
#define WIFI_SSID "Absar"
#define WIFI_PASSWORD "b.0000000"

// Declare the Firebase Data object in the global scope
FirebaseData firebaseData;

String l, m, n;
String myString; // complete message from Arduino, which consists of sensors data
char rdata; // received characters

float flex1, flex2, flex3;

void setup()
{
  Serial.begin(9600);
  Serial.println("Serial communication started\n\n");

  WiFi.begin(WIFI_SSID, WIFI_PASSWORD); //try to
  Serial.print("Connecting to ");
  Serial.print(WIFI_SSID);
```

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while (WiFi.status() != WL_CONNECTED) {
  Serial.print(".");
  delay(500);

  Serial.println();
  Serial.print("Connected to ");
  Serial.println(WIFI_SSID);
  Serial.print("IP Address is : ");
  Serial.println(WiFi.localIP());
  Firebase.begin(FIREBASE_HOST, FIREBASE_AUTH); // connect to firebase
  Firebase.reconnectWiFi(true);
  delay(1000);
}

void loop()
{
  if (Serial.available() > 0 )
  {
    rdata = Serial.read();
    myString = myString + rdata;

    if ( rdata == '\n')
    {
      // Serial.println(myString);
      String l = getValue(myString, ',', 0);
      String m = getValue(myString, ',', 1);
      String n = getValue(myString, ',', 2);

```

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flex1 = l.toFloat();
flex2 = m.toFloat();
flex3 = n.toFloat();

Serial.print(flex1);
Serial.print("++++");
Serial.print(flex2);
Serial.print("++++");
Serial.println(flex3);
myString = "";

Firebase.setFloat(firebaseData, "Feeders/-MhOlzxqnpW3xeIERhR9/data", flex1);
Firebase.setFloat(firebaseData, "Feeders/-MhI9Emb75bFOGVT7k9F/data", flex2);
Firebase.setFloat(firebaseData, "Feeders/-MhoXbZGPB9Slnh4zoYD/data", flex3);

    }
    |
    }
}

String getValue(String data, char separator, int index)
{
    int found = 0;
    int strIndex[] = { 0, -1 };
    int maxIndex = data.length() - 1;

    for (int i = 0; i <= maxIndex && found <= index; i++) {



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String getValue(String data, char separator, int index)
{
    int found = 0;
    int strIndex[] = { 0, -1 };
    int maxIndex = data.length() - 1;

    for (int i = 0; i <= maxIndex && found <= index; i++) {
        if (data.charAt(i) == separator || i == maxIndex) {
            found++;
            strIndex[0] = strIndex[1] + 1;
            strIndex[1] = (i == maxIndex) ? i + 1 : i;
        }
    }
    return found > index ? data.substring(strIndex[0], strIndex[1]) : "";
}



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```