-**Esp8266 NodeMCU code:**

#define BLYNK\_PRINT Serial

#define BLYNK\_TEMPLATE\_ID "TMPLfjRxF8TP"

#define BLYNK\_DEVICE\_NAME "Daksh Raval"

#define BLYNK\_AUTH\_TOKEN "zs6ygzpK60L5amTBovGDBJHgOpkgU8kC"

#include <SoftwareSerial.h>

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

//#include <SimpleTimer.h>

SoftwareSerial arduinoUno(0,1); //( RX, TX )

char auth[] = BLYNK\_AUTH\_TOKEN;

// Your WiFi credentials.

char ssid[] = "enter wifi ssid";

char pass[] = "enter wifi password";

BlynkTimer timer;

//SimpleTimer timer;

String myString; // complete message from arduino, which consists of sensors data

char rdata; // received characters

int firstVal, secondVal,thirdVal; // sensors

int led1,led2,led3,led4,led5,led6;

// This function sends Arduino's up time every second to Virtual Pin (1).

// In the app, Widget's reading frequency should be set to PUSH. This means

// that you define how often to send data to Blynk App.

void myTimerEvent()

{

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V1, millis() / 1000);

}

void setup()

{

// Debug console

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

timer.setInterval(1000L,sensorvalue1);

timer.setInterval(1000L,sensorvalue2);

timer.setInterval(1000L,sensorvalue3);

timer.setInterval(1000L,sensorvalue4);

timer.setInterval(1000L,sensorvalue5);

timer.setInterval(1000L,sensorvalue6);

}

void loop()

{

if (Serial.available() == 0 )

{

Blynk.run();

timer.run(); // Initiates BlynkTimer

}

if (Serial.available() > 0 )

{

rdata = Serial.read();

myString = myString+ rdata;

//Serial.print(rdata);

if( rdata == '\n')

{

Serial.println(myString);

// Serial.println("fahad");

// new code

String l = getValue(myString, ',', 0);

String m = getValue(myString, ',', 1);

String n = getValue(myString, ',', 2);

String o = getValue(myString, ',', 3);

String p = getValue(myString, ',', 4);

String q = getValue(myString, ',', 5);

// these leds represents the leds used in Blynk application

led1 = l.toInt();

led2 = m.toInt();

led3 = n.toInt();

led4 = o.toInt();

led5 = p.toInt();

led6 = q.toInt();

myString = "";

// end new code

}

}

}

void sensorvalue1()

{

int sdata = led1;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V10, sdata);

}

void sensorvalue2()

{

int sdata = led2;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V11, sdata);

}

void sensorvalue3()

{

int sdata = led3;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V12, sdata);

}

void sensorvalue4()

{

int sdata = led4;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V13, sdata);

}

void sensorvalue5()

{

int sdata = led5;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V14, sdata);

}

void sensorvalue6()

{

int sdata = led6;

// You can send any value at any time.

// Please don't send more that 10 values per second.

Blynk.virtualWrite(V15, sdata);

}

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]) : "";

}