```
#define BLYNK_PRINT Serial
#include <OneWire.h>
#include <SPI.h>
#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>
#include <DHT.h>
#include <DallasTemperature.h>
#define ONE_WIRE_BUS D2
OneWire oneWire(ONE_WIRE_BUS);
DallasTemperature sensors(&oneWire);
DallasTemperature DS18B20(&oneWire);
float temp;
char auth[] ="D0EnC6DdRGI6z_2AB4y5APd1nwHuSmWI";
char ssid[] = "Vedant";
char pass[] = "26082002";


#define DHTPIN 2
#define DHTTYPE DHT11
DHT dht(DHTPIN, DHTTYPE);
SimpleTimer timer;

void sendSensor()
{
float h = dht.readHumidity();
float t = dht.readTemperature();

if (isnan(h) || isnan(t)) {
Serial.println("Failed to read from DHT sensor!");
return;
}

Blynk.virtualWrite(V5, h); //V5 is for Humidity
Blynk.virtualWrite(V6, t); //V6 is for Temperature
}
void setup()
{
Serial.begin(9600);
Serial.begin(115200);
DS18B20.begin();
dht.begin();

timer.setInterval(1000L, getSendData);
timer.setInterval(1000L, sendSensor);
```

```
Blynk.begin(auth, ssid, pass);
sensors.begin();
}
int sensor=0;
int output=0;

void sendTemps()
{
sensor=analogRead(A0);
output=(145-map(sensor,0,1023,0,100));
delay(1000);
sensors.requestTemperatures();
float temp = sensors.getTempCByIndex(0);
Serial.println(temp);
Serial.print("moisture = ");
Serial.print(output);
Serial.println("%");
Blynk.virtualWrite(V1, temp);
Blynk.virtualWrite(V2,output);
delay(1000);
}

void getSendData()
{
  DS18B20.requestTemperatures();
  temp = DS18B20.getTempCByIndex(0); // Celcius

  Serial.println(temp);

  Blynk.virtualWrite(V0, temp); //virtual pin V3

}

void loop()
{
Blynk.run();
timer.run();
sendTemps();
getSendData();
}
```