```
#define BLYNK_PRINT Serial
#define BLYNK_TEMPLATE_ID "TMPL36py2yjZg"
#define BLYNK_TEMPLATE_NAME "Weather Station"
#define BLYNK_AUTH_TOKEN "zxpc0mH3eXTCOqJvqhn6GZo8d1qaUPbM"
#include <WiFi.h> // importing all the required libraries
#include <WiFiClient.h>
#include <BlynkSimpleEsp32.h>
#include "Arduino.h"
#include "DHT.h"
#include "BMP085.h"
#include <Wire.h>
float temperature; // parameters
float humidity;
float pressure;
float mbar;
BMP085 myBarometer; // initialise pressure sensor
char auth[] = "zxpc0mH3eXTCOqJvqhn6GZo8d1qaUPbM"; // replace this with your auth token
char ssid[] = "Redmi"; // replace this with your wifi name (SSID)
char pass[] = "swapnali7"; // replace this with your wifi password
#define DHTPIN 5 // dht sensor is connected to D5
#define DHTTYPE DHT11 // DHT 11
DHT dht(DHTPIN, DHTTYPE); // initialise dht sensor
BlynkTimer timer;
void sendSensor() // function to read sensor values and send them to Blynk
{
```

```
humidity = dht.readHumidity();
 temperature = dht.readTemperature();
 if (isnan(humidity) || isnan(temperature))
  Serial.println("Failed to read from DHT sensor!");
  return;
 }
 pressure = myBarometer.bmp085GetPressure(myBarometer.bmp085ReadUP()); // read
pressure value in pascals
 mbar = pressure / 100; // convert millibar to pascals
 Blynk.virtualWrite(V0, temperature); // send all the values to their respective virtual pins
 Blynk.virtualWrite(V1, humidity);
 Blynk.virtualWrite(V2, mbar);
}
void setup()
 Serial.begin(115200);
 myBarometer.init();// sensor address 0x77
 dht.begin();
 delay(1000);
 Blynk.begin(auth, ssid, pass);
 delay(1000);
 timer.setInterval(1000L, sendSensor); // sendSensor function will run every 1000 milliseconds
}
void loop()
{
 Blynk.run();
 timer.run();
```