```
#include <DHT.h>
/*----*/
#define DHTPIN 2 // DHT data pin connected to Arduino pin 2
#define DHTTYPE DHT11 // DHT 22 (or AM2302)
DHT dht (DHTPIN, DHTTYPE); // Initialize the DHT sensor
/*----*/
#define SSID "Vodafone-33498108" // "SSID-WiFiname"
#define IP "192.168.1.7" // localhost http http://192.168.1.4:4445
String msg = ""; //change it with your key...
/*----*/
//Variables
float temp;
String hum;
String tempC;
String tempF;
int error;
void setup()
Serial.begin (115200); //or use default 115200.
Serial.println("AT");
delay(5000);
if(Serial.find("OK")){
 connectWiFi();
void loop() {
//Read temperature and humidity values from DHT sensor:
error=0;
char buffer[10];
```

//Libraires

#include<stdlib.h>

```
temp = dht.readHumidity();
 hum = dtostrf(temp, 4, 1, buffer); // convert a float to a char array
 temp = dht.readTemperature();
 tempC = dtostrf(temp, 4, 1, buffer); // convert a float to a char
array
temp = dht.readTemperature(true);
 tempF= dtostrf(temp, 4, 1, buffer); // convert a float to a char
array
updateTemp();
 //Resend if transmission is not completed
 if (!error) {
   delay(2000); //Update every 2 second
}
voidupdateTemp() {
 String cmd = "AT+CIPSTART=\"TCP\",\"";
 cmd += IP;
 cmd += "\",4446";
Serial.println(cmd);
 delay(2000);
if(Serial.find("Error")){
   return;
 msg = "";
 msq += hum;
 msg += "\t" + tempC;
 msg += "\t" + tempF;
 msg += "\r\n";
Serial.print("AT+CIPSEND=");
Serial.println(msg.length());
if (Serial.find(">")) {
  Serial.print(msg);
 else{
```

```
Serial.println("AT+CIPCLOSE");
   //Resend...
   error=1;
booleanconnectWiFi(){
Serial.println("AT+CWMODE=1");
 delay(2000);
String cmd="AT+CWJAP=\"";
 cmd+=SSID;
 cmd+="\",\"";
 cmd+=PASS;
 cmd+="\"";
Serial.println(cmd);
 delay(5000);
if(Serial.find("OK")){
   return true;
 }else{
   return false;
```