

```
#include <WiFi101.h>
#include "DHT.h"
#include "ThingSpeak.h"

#define DHTPIN 12
#define DHTTYPE DHT11 // DHT 11

DHT dht(DHTPIN, DHTTYPE);
WiFiClient client;

char ssid[] = "MYNETWORK"; // your network SSID (name)
char pass[] = "MYPASSWORD"; // your network password
int status = WL_IDLE_STATUS;

unsigned long myChannelNumber = 123456;
const char * myWriteAPIKey = "MYWRITEKEY";
```

```
void setup() {  
  Serial.begin(9600);  
  WiFi.setPins(8,7,4,2);  
  WiFi.begin(ssid, pass);  
  ThingSpeak.begin(client);  
  dht.begin();  
}
```

```
void loop() {  
  // Wait a few seconds between measurements.  
  delay(2000);  
  
  float h = dht.readHumidity();  
  float f = dht.readTemperature(true);  
  
  ThingSpeak.setField(1,f);  
  ThingSpeak.setField(2,h);  
  ThingSpeak.writeFields(myChannelNumber, myWriteAPIKey);  
}
```

```
Serial.print("Humidity: ");  
Serial.print(h);  
Serial.println(" °\n");  
Serial.print("Temperature: ");  
Serial.print(t);  
Serial.println(" °F\n");  
  
delay(20000);
```

```
}
```