

Code:

```
#include <DHT.h>

#define DHTPIN 7
#define DHTTYPE DHT11
#define LED_PIN 13

DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(9600);
  pinMode(LED_PIN, OUTPUT);
  dht.begin();
}

void loop() {
  float hum = dht.readHumidity();
  float temp = dht.readTemperature();

  Serial.print("Temperature = ");
  Serial.println(temp);
  Serial.print("Humidity = ");
  Serial.println(hum);

  if (hum > 85 || temp > 32) digitalWrite(LED_PIN, HIGH);
  else digitalWrite(LED_PIN, LOW);

  delay(1000);
}
```

sketch_oct10a | Arduino IDE 2.3.6

File Edit Sketch Tools Help

Arduino Uno

LIBRARY MANAGER

DHT sensor LIBRARY

Type: All

Topic: All

DHT22, etc Temp & Humidity Sensors Arduino library for...

More info

1.4.6 REMOVE

AM2302-Sensor by Frank Häfele...

This library read temperature and humidity from the AM2302 (aka DHT22) sensor. The AM230...

More info

1.4.0 INSTALL

AM232X by Rob Tillaart <rob.tillaart@gmail.com>

0.5.2 installed

Arduino library for AM2320 AM2321 and AM2323 I2C temperature and humidity...

More info

0.5.2 REMOVE

sketch_oct10a.ino

10 Serial.begin(9600);

11 pinMode(LED_PIN, OUTPUT);

12 dht.begin();

13 }

14

15 void loop() {

16 float hum = dht.readHumidity();

17 float temp = dht.readTemperature();

18

19 Serial.print("Temperature = ");

20 Serial.println(temp);

21 Serial.print("Humidity = ");

22 Serial.println(hum);

23

24 if (hum > 85 || temp > 32) digitalWrite(LED_PIN, HIGH);

25 else digitalWrite(LED_PIN, LOW);

26

27 delay(1000);

28 }

29 }

Output Serial Monitor X

Message (Enter to send message to 'Arduino Uno' on 'COM6')

New Line 9600 baud

Temperature = 34.60

Humidity = 83.00

Temperature = 34.60

Humidity = 85.00

Temperature = 34.60

Humidity = 85.00

Temperature = 34.60

Humidity = 85.00

Temperature = 34.60

Humidity = 85.00

Temperature = 34.60

Humidity = 85.00

Ln 26, Col 1 Arduino Uno on COM6 4

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