사물인터넷 10주차 과제

201944077 2학년 C반 이샘미

```
#include <DHT.h>
#define DHTPIN   5
#define DHTTYPE DHT11
#define GREEN 8
#define RED 7

DHT dht(DHTPIN, DHTTYPE);

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

void loop() {
  float temperature;
  float humidity;

  //Temperature
  temperature = dht.readTemperature();
  Serial.print("Temperature: ");
  Serial.print(temperature);
  Serial.println("℃");

  //Humidity
  humidity = dht.readHumidity();
  Serial.print("Humidity: ");
  Serial.print(humidity);
  Serial.println("%");
```

```
If( temperature >= 20 && temperature <= 23 && humidity >= 20 && humidity <= 25 )
{
        digitalWrite(GREEN, HIGH);
} else {
        digitalWrite(RED, HIGH);
}

  Serial.println();

  delay(1000);
}
```