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#include "DHT.h"
#include "Servo.h"

#define DHTPIN 2
#define DHTTYPE DHT22

Servo myservo;
int maxHum = 90;
int maxTemp = 28;
int pos=0;

DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(9600);
  dht.begin();
  myservo.attach(9);
}

void loop() {
  delay(2000);

  float h = dht.readHumidity();
  float t = dht.readTemperature();

  if (isnan(h) || isnan(t)) {
    Serial.println("Failed to read from DHT sensor!");
    return;
  }

  Serial.print("Humidity: ");
  Serial.print(h);
  Serial.print(" %\n");
  Serial.print("Temperature: ");
  Serial.print(t);
  Serial.println(" *C ");

  if (t > maxTemp || h>maxHum )
  {
    for(pos = 0; pos <180; pos=pos+1);
    {
      myservo.write(pos); delay(10);
    }
  }
  else
  {
    for(pos = 180; pos>=1; pos=pos-1);
    {
      myservo.write(pos); delay(10);
    }
  }
}

```