```
#include "dht.h"
#define dht_apin A0
dht DHT;

void setup(){

  pinMode(2, OUTPUT);
  pinMode(4, OUTPUT);
  Serial.begin(9600);
  delay(500);
  Serial.println("DHT11 Humidity & temperature Sensor\n\n");
  delay(1000);

}

void loop(){

    DHT.read11(dht_apin);

    float tempC = DHT.temperature;
    if (tempC < 20) { //cold
    digitalWrite(2, HIGH);
    digitalWrite(4, LOW);
    Serial.println(" It's Cold.");
  }
  else if (tempC >= 20 && tempC < 30) {
    digitalWrite(2, HIGH);
    digitalWrite(4, HIGH);
    Serial.println(" It's Neutral.");
  }
  else {
```

```
    digitalWrite(2, LOW);
    digitalWrite(4, HIGH);
    Serial.println(" It's HOT.");
  }
    Serial.print("Current humidity = ");
    Serial.print(DHT.humidity);
    Serial.print("%  ");
    Serial.print("temperature = ");
    Serial.print(DHT.temperature);
    Serial.println("C  ");

    delay(5000);



}
```