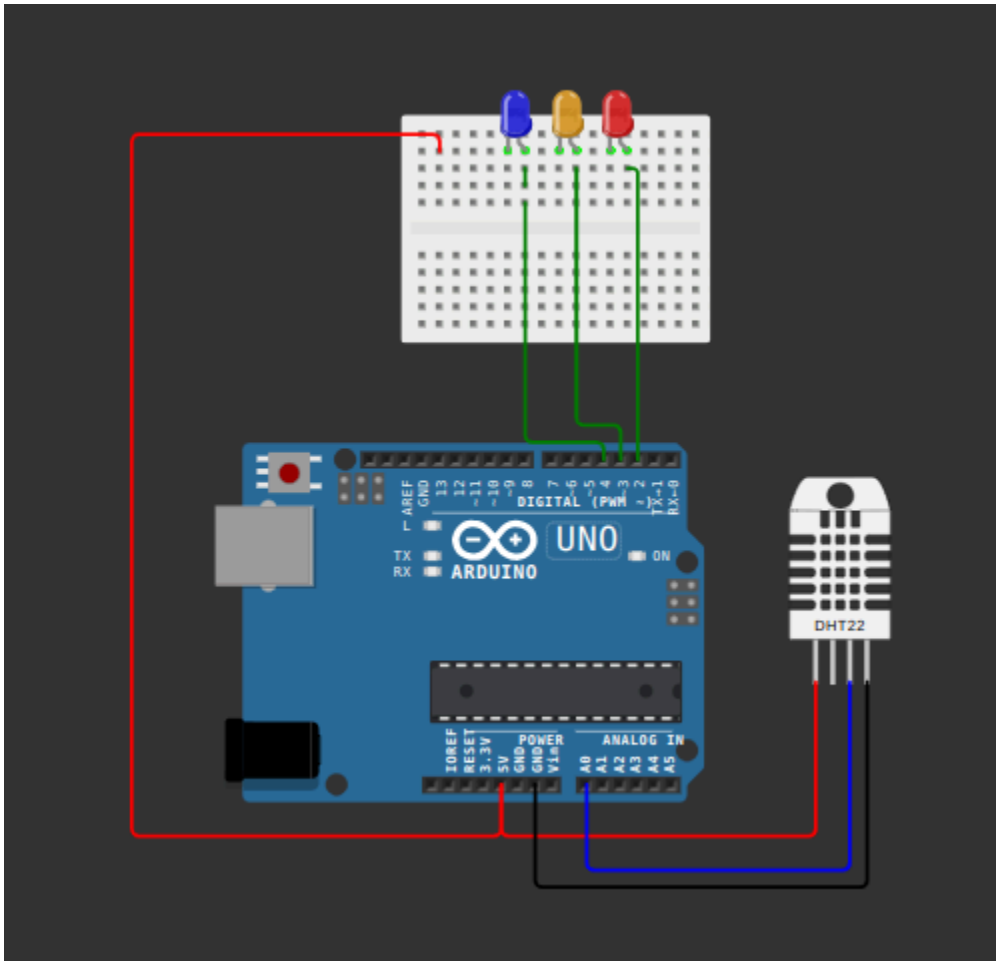
Arduino LED Temperature Indicator



Components Required:

Arduino Uno

LED -3

DHT11 Sensor

Jumper Wire

Code

```
#define DHTTYPE DHT11

#include <DHT.h>

const int dhtpin=5;

const int hot=26;

const int cold=22;

DHT dht(dhtpin,DHT11);

void setup()

{

pinMode(1, OUTPUT); //blue

pinMode(2, OUTPUT); //green

pinMode(2, OUTPUT); //red

dht.begin();

Serial.begin(9600);

}

void loop()

{

float t=dht.readTemperature();

Serial.print("TEMPERATURE :");

Serial.println(t);

if (t < cold)

{ //cold
```

```
digitalWrite(1, HIGH);

digitalWrite(2, LOW);

digitalWrite(3, LOW);

Serial.println(" It's Cold.");

}


 else if (t >= hot)

{ //hot

digitalWrite(1, LOW);

digitalWrite(2, LOW);

digitalWrite(3, HIGH);

Serial.println(" It's Hot.");

}

else

{ //fine

digitalWrite(1, LOW);

digitalWrite(2, HIGH);

digitalWrite(3, LOW);

Serial.println(" It's Fine.");

}

delay(500);


}
```