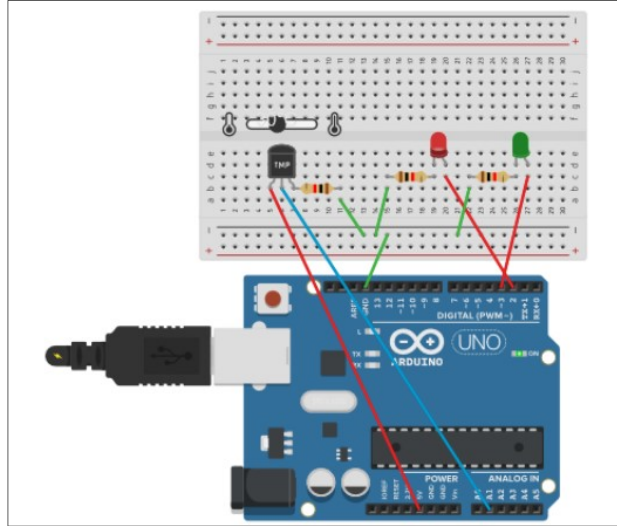


TP 7 - CAPTEUR DE TEMPERATURE ET LEDS : Régulation de température:



CAPTEUR DE TEMPERATURE ET LEDS - PERENNES Philippe

Nom	Quantité	Composant
U1	1	Arduino Uno R3
U2	1	Capteur de température [TMP36]
R1 R2 R3	3	1 kΩ Résistance
D1	1	Rouge LED
D2	1	Vert LED

https://www.tinkercad.com/things/7uHIkxpkRmo-capteur-de-temperature-et-leds-perennes-philippe/editel?sharecode=kAXkjOxTzReF2clYupkVas1F0xIrI9JczFokF_SFLaw

```

1 int counter;
2
3 void setup()
4 {
5   pinMode(A1, INPUT);
6   pinMode(3, OUTPUT);
7   pinMode(2, OUTPUT);
8 }
9
10 void loop()
11 {
12   for (counter = 0; counter < 1000; ++counter) {
13     if (-40 + 0.488155 * (analogRead(A1) - 20)
14       digitalWrite(3, HIGH);
15       digitalWrite(2, LOW);
16     } else {
17       digitalWrite(3, LOW);
18       digitalWrite(2, HIGH);
19     }
20   }
21   delay(10); // Delay a little bit to improve s
22 }

```

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