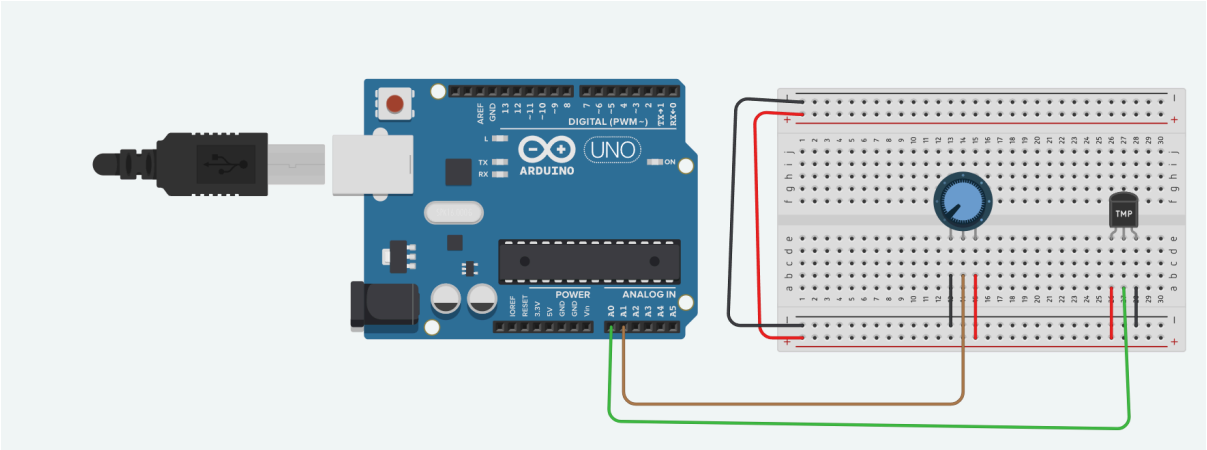


```
const int analogIn = A0;
int  humiditysensorOutput = 0;
int RawValue = 0;
double Voltage = 0;
double TempC = 0;
double TempF = 0;

void setuo()
{
  Serial.begin(9600);
  pinMode(A1,INPUT);
}

void loop()
{
 RawValue = analogRead (analogIn);
 Voltage = (RawValue / 1023.0) * 50000;
 TempC = (Voltage-500) * 0.1;
 TempF = (TempC * 1.8) + 32;
 Serial.print("Raw Value =");
 Serial.print(RawValue);
 Serial.print("/t mili volts =");
 Serial.print(Voltage,0);
 Serial.print("temperatura em C =");
 Serial.print(TempC,1);
 Serial.print("temperatura em F =");
 Serial.print(TempF,1);
 humiditysensorOutput = analogRead(A1);
 Serial.print(" umidade:");
 Serial.print(map(humiditysensorOutput));
 Serial.println("%");
 delay(5000)
}
```