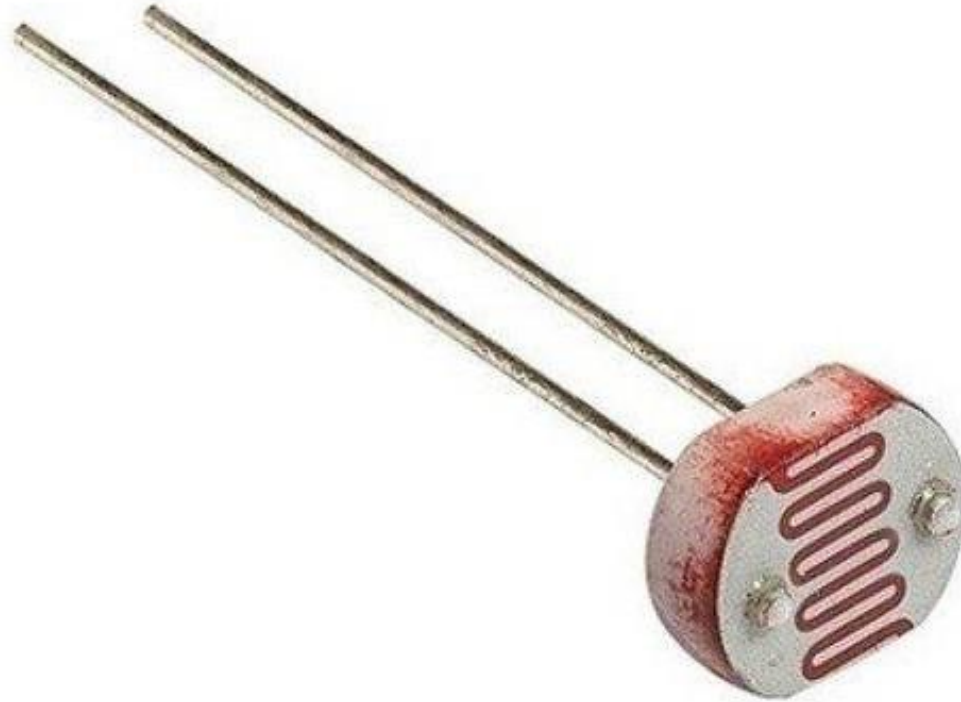


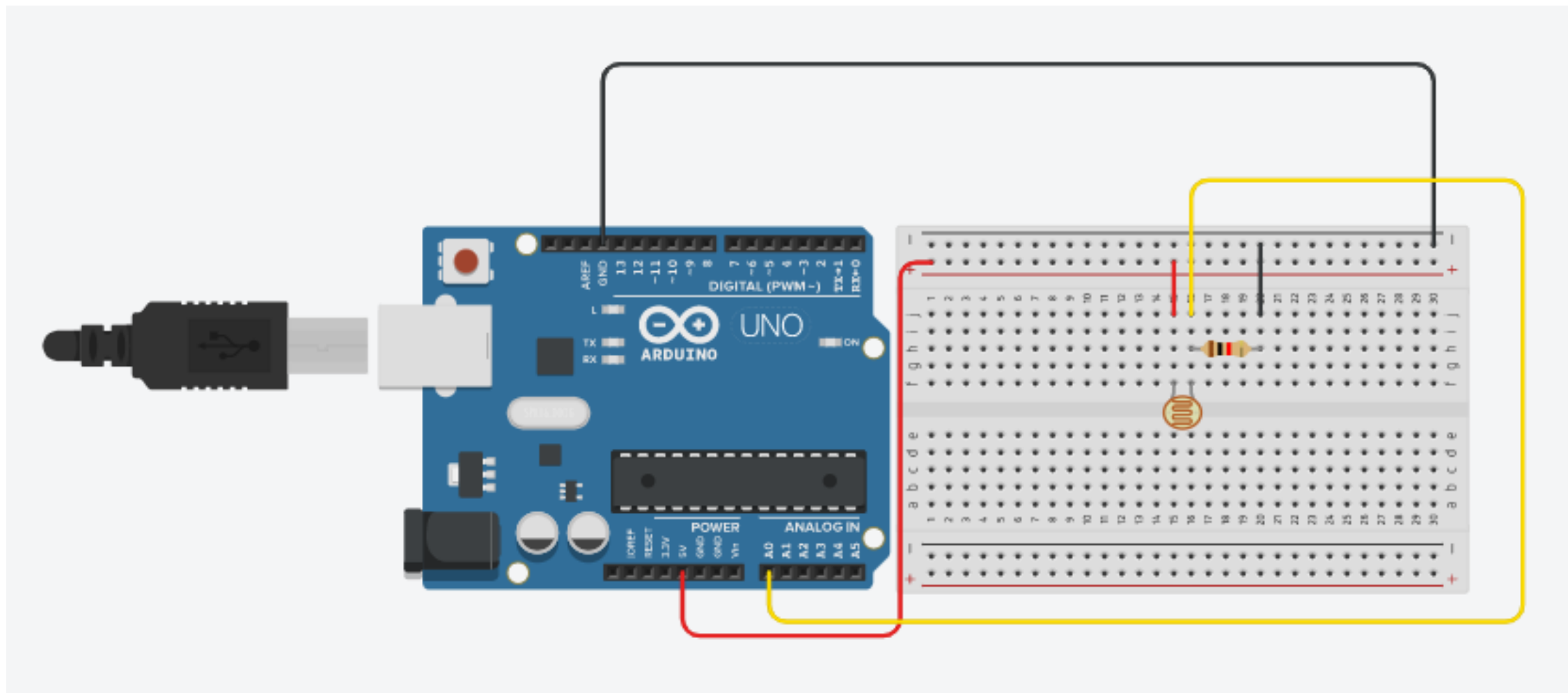
Eletronica com Arduino

Aula 5

Light Dependent Resistor



Circuito:



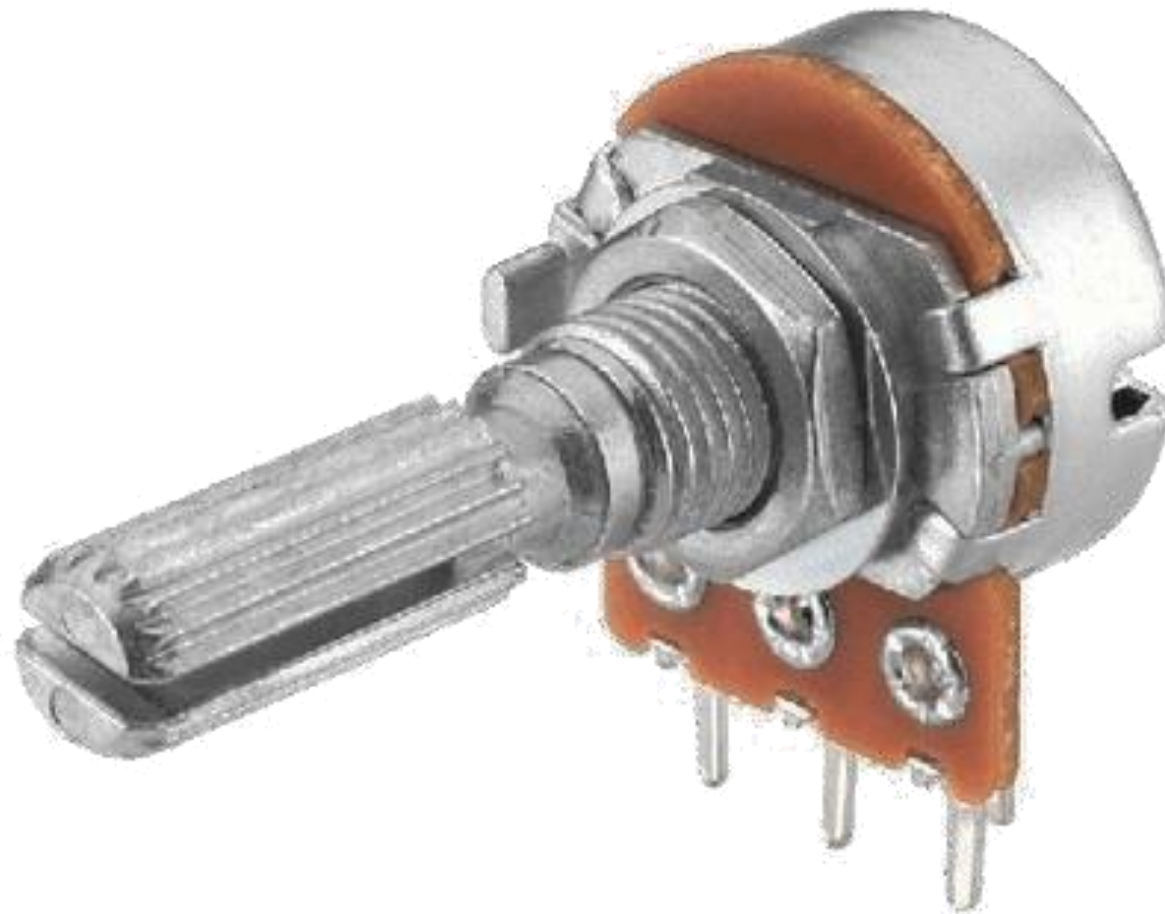


exerc_cio_com_sensor_de_luz__LDR_

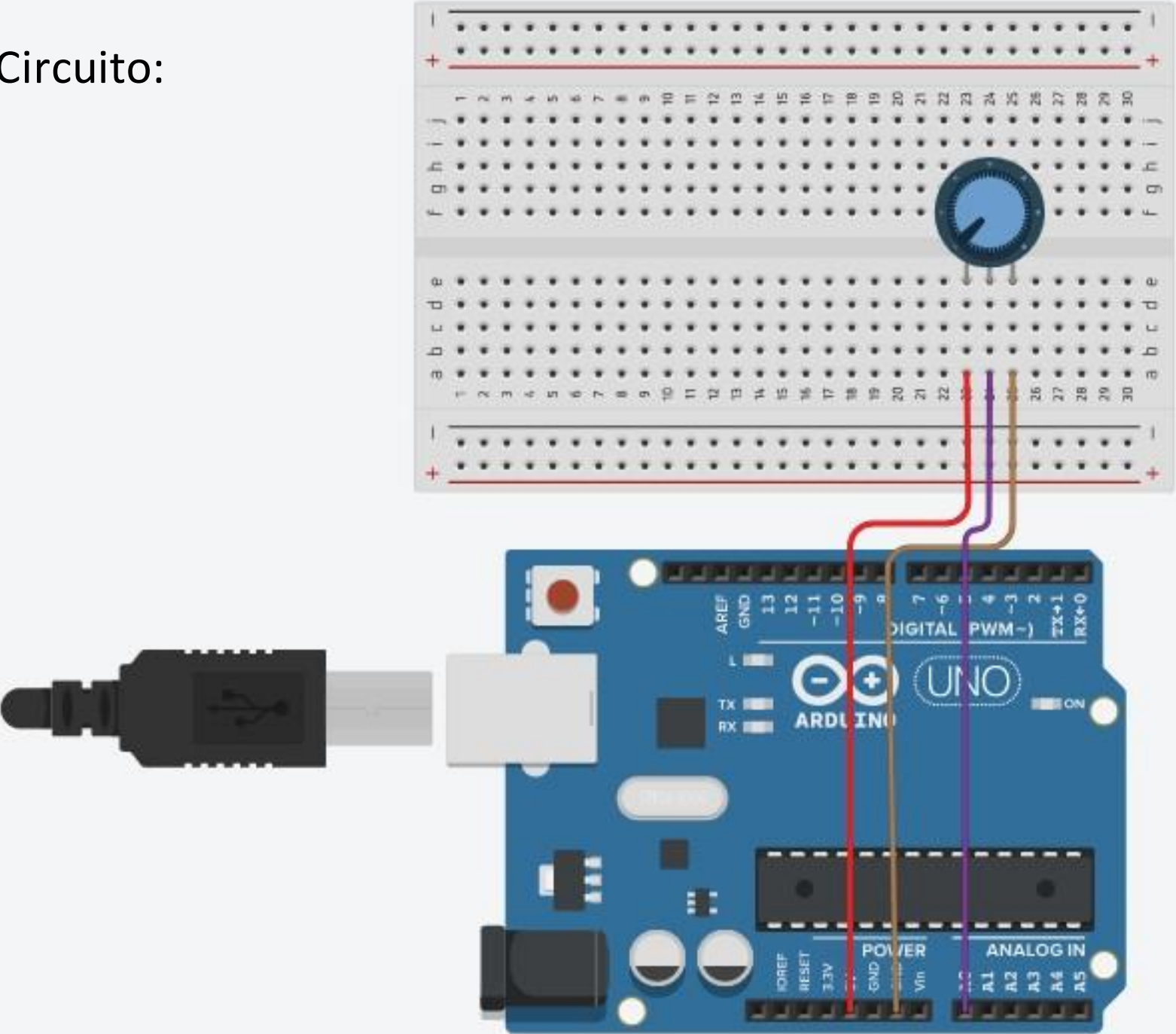


```
int valor;  
void setup() {  
  Serial.begin(9600);  
}  
  
void loop() {  
  valor = analogRead(A0);  
  Serial.println(valor);  
  delay(1000);  
}
```

Potenciômetro



Circuito:



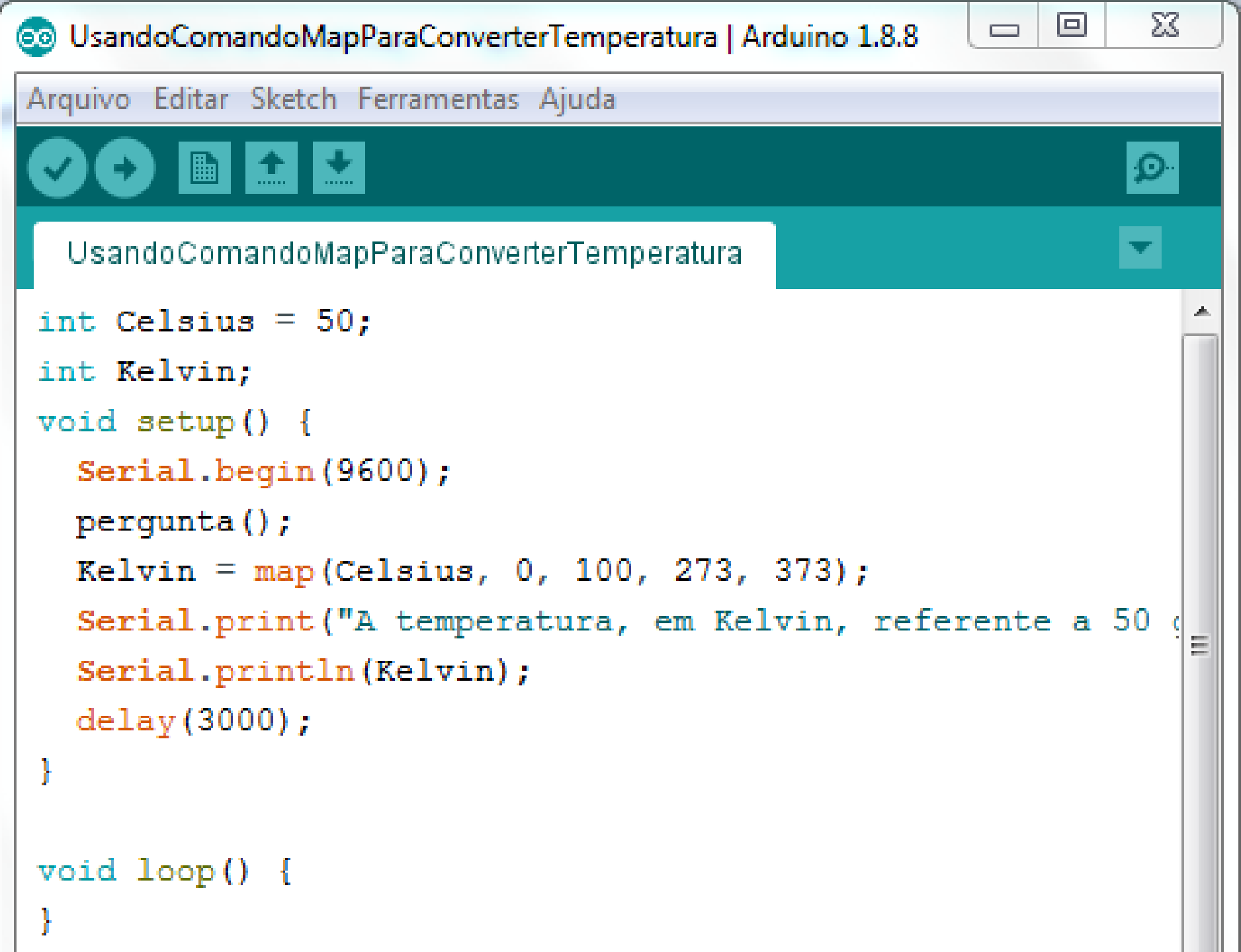


programa_inventado_lendo_tensao_com_potenciometro



```
int led = 3;
int leitura1;
int leitura2 = 0;
int brilho;
float eq;
int potenciometro = A0;
void setup() {
    Serial.begin(9600);
    pinMode(led, OUTPUT);
}
void loop() {
    leitura1 = analogRead(potenciometro);
```

Função map():



The screenshot shows the Arduino IDE interface. The title bar reads 'UsandoComandoMapParaConverterTemperatura | Arduino 1.8.8'. The menu bar includes 'Arquivo', 'Editar', 'Sketch', 'Ferramentas', and 'Ajuda'. The toolbar contains icons for checking, running, opening, uploading, and downloading. The tab bar shows the current sketch name. The code editor contains the following C++ code:

```
int Celsius = 50;
int Kelvin;
void setup() {
    Serial.begin(9600);
    pergunta();
    Kelvin = map(Celsius, 0, 100, 273, 373);
    Serial.print("A temperatura, em Kelvin, referente a 50 C");
    Serial.println(Kelvin);
    delay(3000);
}

void loop() {
}
```