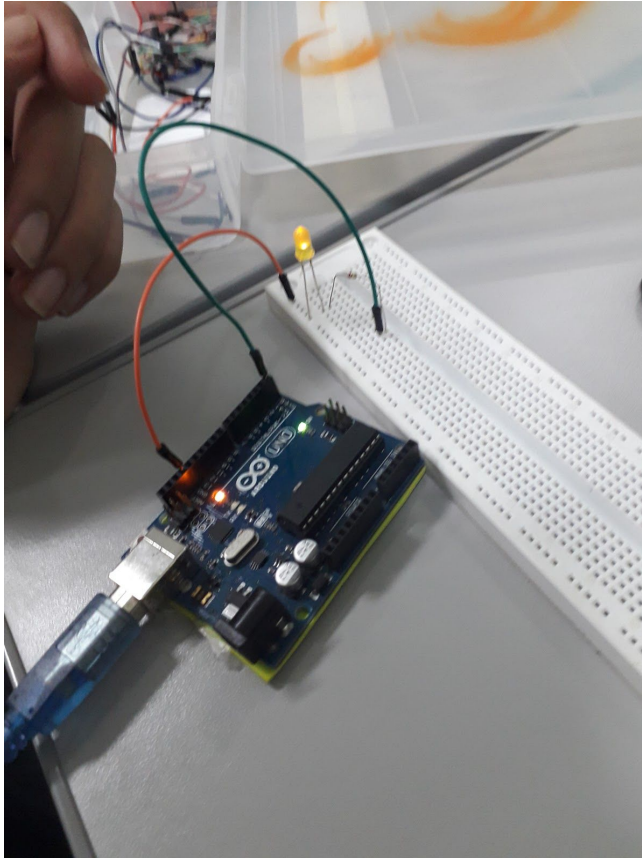Nome: Elian Gonçalves
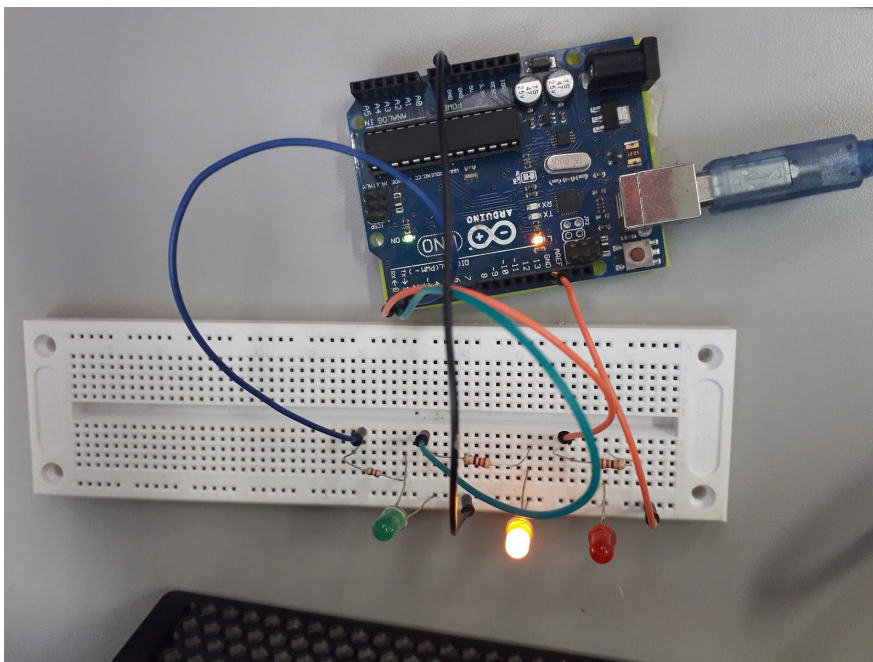Turma: 2°ano de Informática

1- Acender Led


```
int led = 0;
void setup() {
pinMode (led, OUTPUT);
}

void loop() {
  digitalWrite(led, HIGH);

}
```
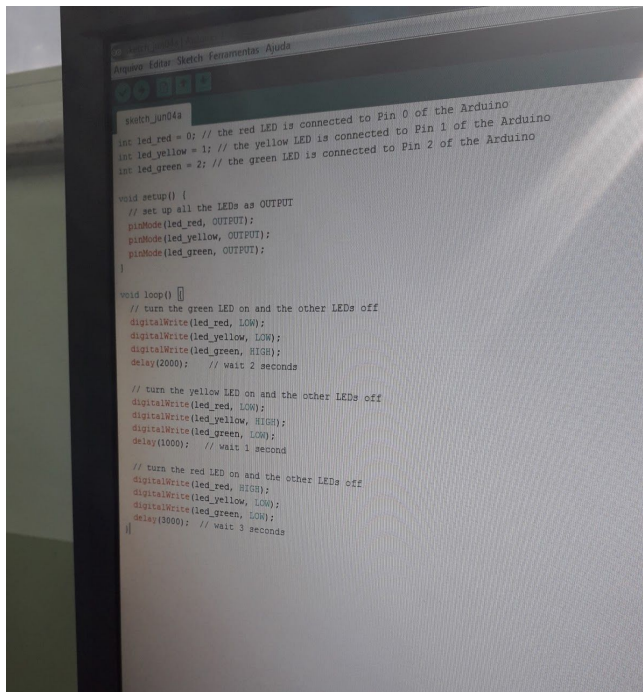
Lista de componentes do Arduino

● Fios de Jumper:

- Arduino
- Resistor ohm
- Leds amarelo
- Cabo USB
- Protoboard

2- Sinal de Trânsito

```
sketch_jun04a
int led_red = 0; // the red LED is connected to Pin 0 of the Arduino
int led_yellow = 1; // the yellow LED is connected to Pin 1 of the Arduino
int led_green = 2; // the green LED is connected to Pin 2 of the Arduino

void setup() {
  // set up all the LEDs as OUTPUT
  pinMode(led_red, OUTPUT);
  pinMode(led_yellow, OUTPUT);
  pinMode(led_green, OUTPUT);
}

void loop() {
  // turn the green LED on and the other LEDs off
  digitalWrite(led_red, LOW);
  digitalWrite(led_yellow, LOW);
  digitalWrite(led_green, HIGH);
  delay(2000);   // wait 2 seconds

  // turn the yellow LED on and the other LEDs off
  digitalWrite(led_red, LOW);
  digitalWrite(led_yellow, HIGH);
  digitalWrite(led_green, LOW);
  delay(1000);   // wait 1 second

  // turn the red LED on and the other LEDs off
  digitalWrite(led_red, HIGH);
  digitalWrite(led_yellow, LOW);
  digitalWrite(led_green, LOW);
  delay(3000);   // wait 3 seconds
```

Lista de componentes do Arduino

- Fios de Jumper:
- Arduino
- Resistores ohm
- Leds: verde,vermelho e amarelo
- Cabo USB
- Protoboard