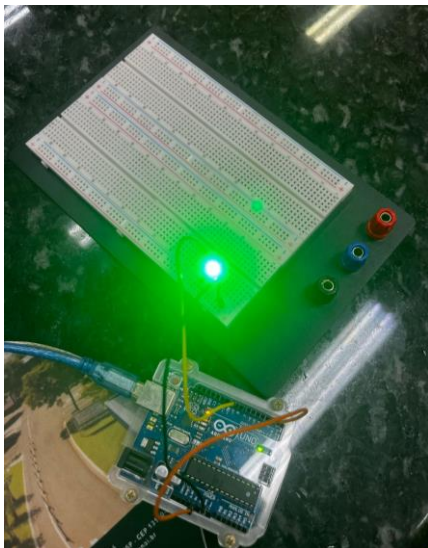
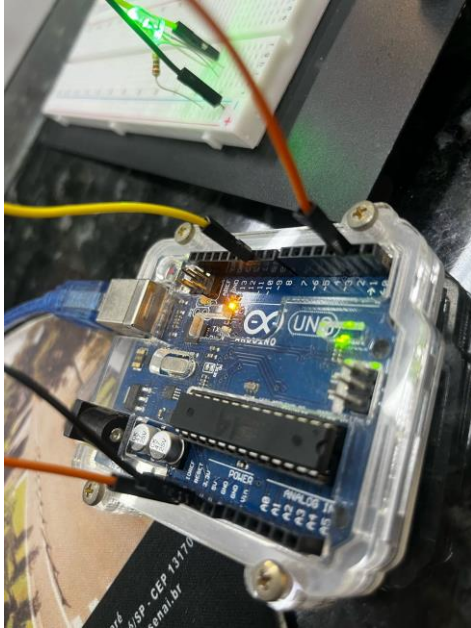
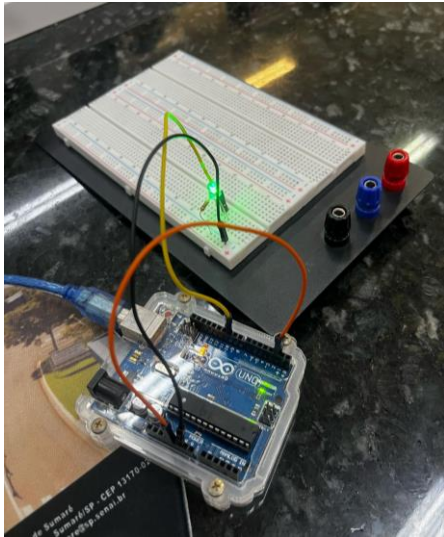


## Programações do Sistema Condicional

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### Linha de Programação:

```
const int buttonPin = 2; // the number of the pushbutton pin
const int ledPin = 10;   // the number of the LED pin

// variables will change:
int buttonState = 0; // variable for reading the pushbutton status

void setup() {
  // initialize the LED pin as an output:
  pinMode(ledPin, OUTPUT);

  // initialize the pushbutton pin as an input:
  pinMode(buttonPin, INPUT);
}

void loop() {
  // read the state of the pushbutton value:
  buttonState = digitalRead(buttonPin);

  // check if the pushbutton is pressed. If it is, the buttonState is HIGH:
  if (buttonState == HIGH) {
    // turn LED on:
  }
```

```
    digitalWrite(ledPin, HIGH);  
} else {  
    // turn LED off:  
    digitalWrite(ledPin, LOW);  
}  
}
```