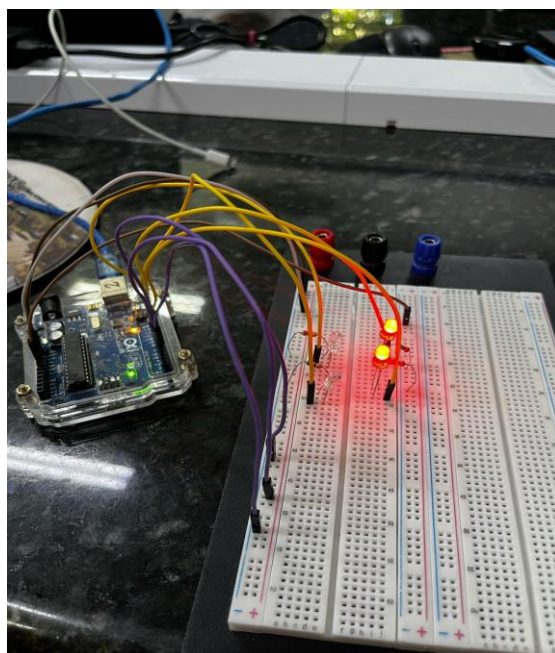
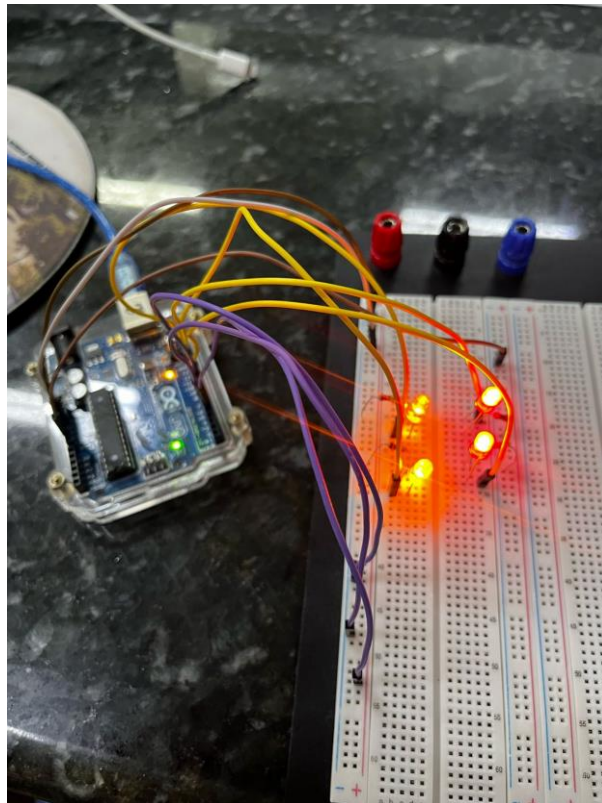
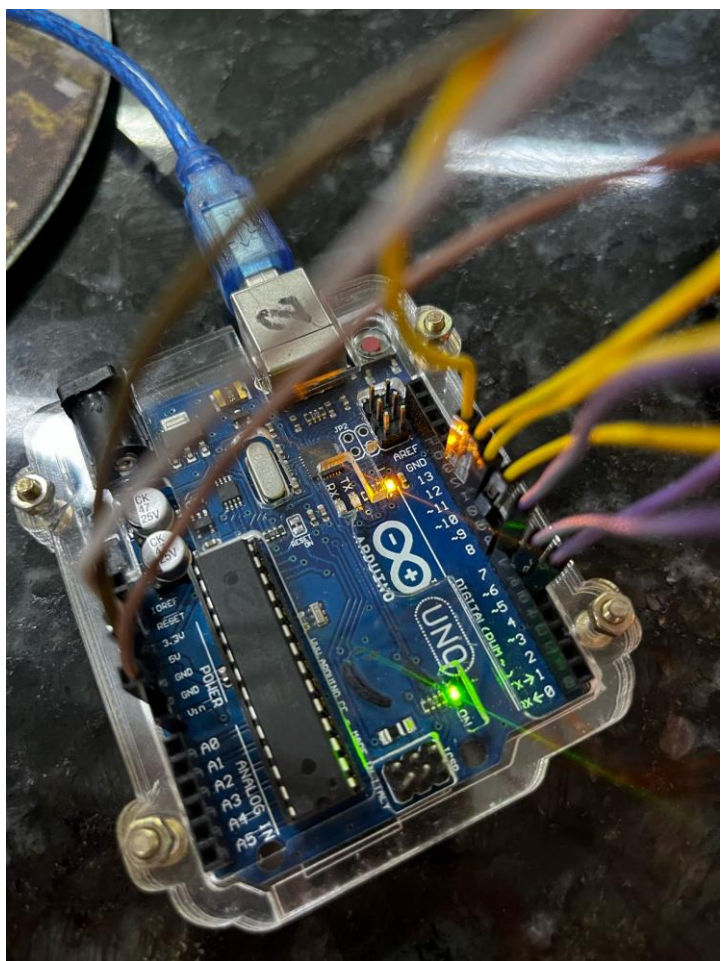
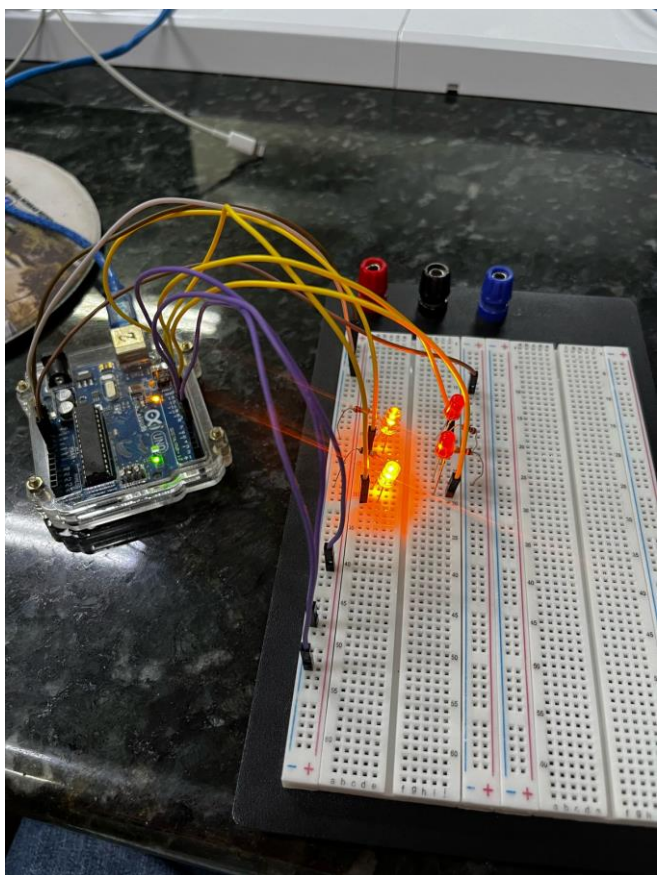


Circuito e Programação - Exemplo das Setas de um Carro

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Fotos:





Programação:

```
const int buttonPinE = 7;

const int buttonPinD = 6;

const int buttonPin2 = 5;

int buttonStateE = 0;

int buttonStateD = 0;

int buttonState2 = 0;


void setup()
{
    pinMode(buttonPinE, INPUT);

    pinMode(buttonPinD, INPUT);

    pinMode(buttonPin2, INPUT);

    pinMode(12, OUTPUT); //Esquerda-SetasDianteiras
    pinMode(11, OUTPUT); //Esquerda-SetasDianteiras
    pinMode(10, OUTPUT); //Direita-SetasTraseiras
    pinMode(9, OUTPUT); //Direita-SetasTraseiras

}


void loop()
{
    buttonStateE = digitalRead(buttonPinE);

    buttonStateD = digitalRead(buttonPinD);

    buttonState2 = digitalRead(buttonPin2);


    //Esquerda
    if (buttonStateE == HIGH && buttonStateD == LOW && buttonState2 == LOW){
```

```
digitalWrite(12,HIGH);  
digitalWrite(11,HIGH);  
delay(1000);
```

```
digitalWrite(12,LOW);  
digitalWrite(11,LOW);  
delay(1000);
```

```
}
```

```
//Direita
```

```
if (buttonStateD == HIGH && buttonStateE == LOW && buttonState2 == LOW){
```

```
digitalWrite(9,HIGH);  
digitalWrite(10,HIGH);  
delay(1000);
```

```
digitalWrite(9,LOW);  
digitalWrite(10,LOW);  
delay(1000);
```

```
}
```

```
//Pisca Alerta
```

```
if (buttonState2 == HIGH && buttonStateD == LOW && buttonStateE == LOW){
```

```
digitalWrite(11,HIGH);  
digitalWrite(10,HIGH);
```

```
digitalWrite(9,HIGH);  
digitalWrite(12,HIGH);  
delay(1000);
```

```
digitalWrite(11,LOW);  
digitalWrite(10,LOW);  
digitalWrite(9,LOW);  
digitalWrite(12,LOW);  
delay(1000);
```

```
}
```

```
}
```