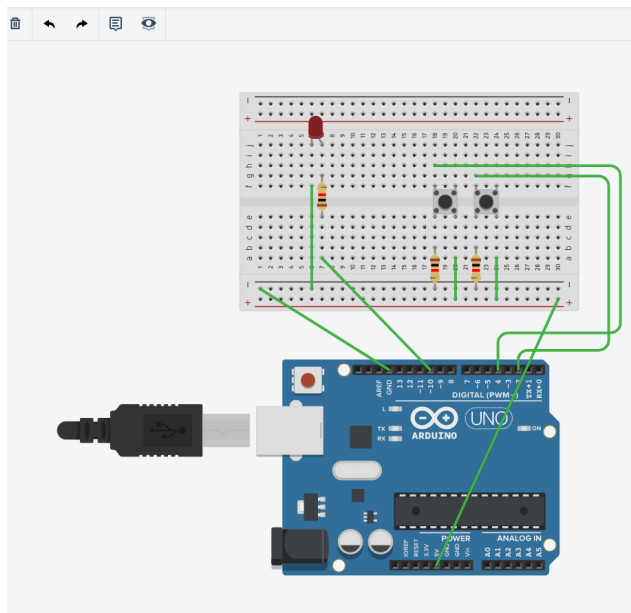


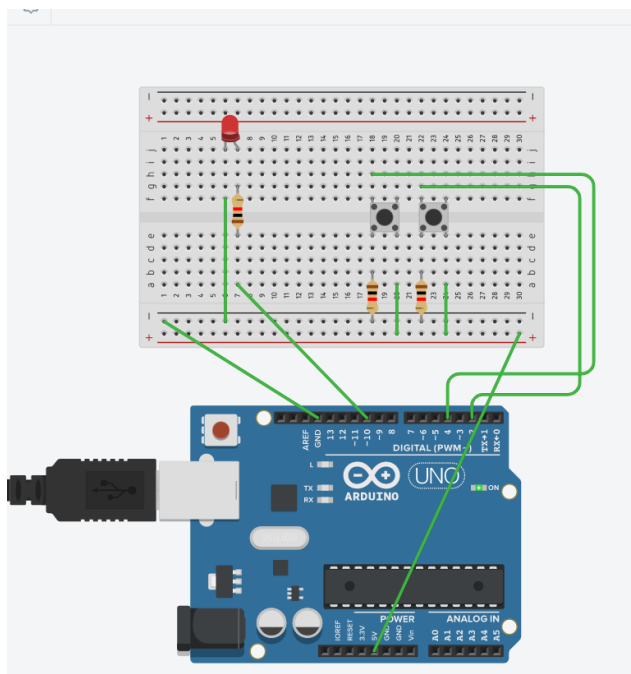
Exercise 1



```
1 int button1 = 2;
2 int button2 = 4;
3 int led = 10;
4 int sig1;
5 int sig2;
6
7
8 void setup()
9 {
10  pinMode(led, OUTPUT);
11  pinMode(button1, INPUT);
12  pinMode(button2, INPUT);
13
14 }
15
16
17 void loop()
18 {
19  sig1 = digitalRead(button1);
20  sig2 = digitalRead(button2);
21
22  if (sig1 == 1 || sig2 == 1) {
23    digitalWrite(led, HIGH);
24  }
25  else {
26    digitalWrite(led, LOW);
27  }
28  delay(10);
29 }
30
```

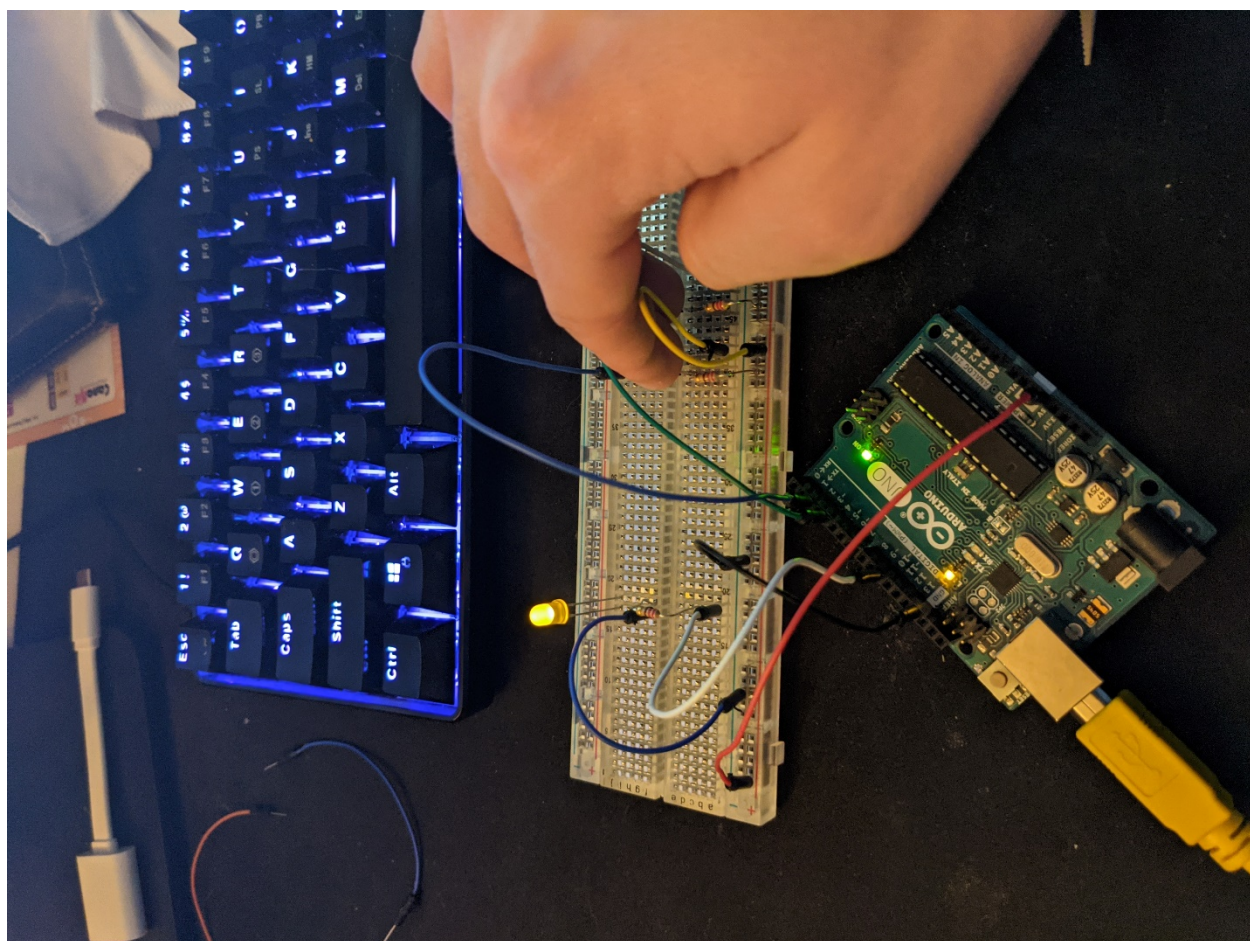
Serial Monitor

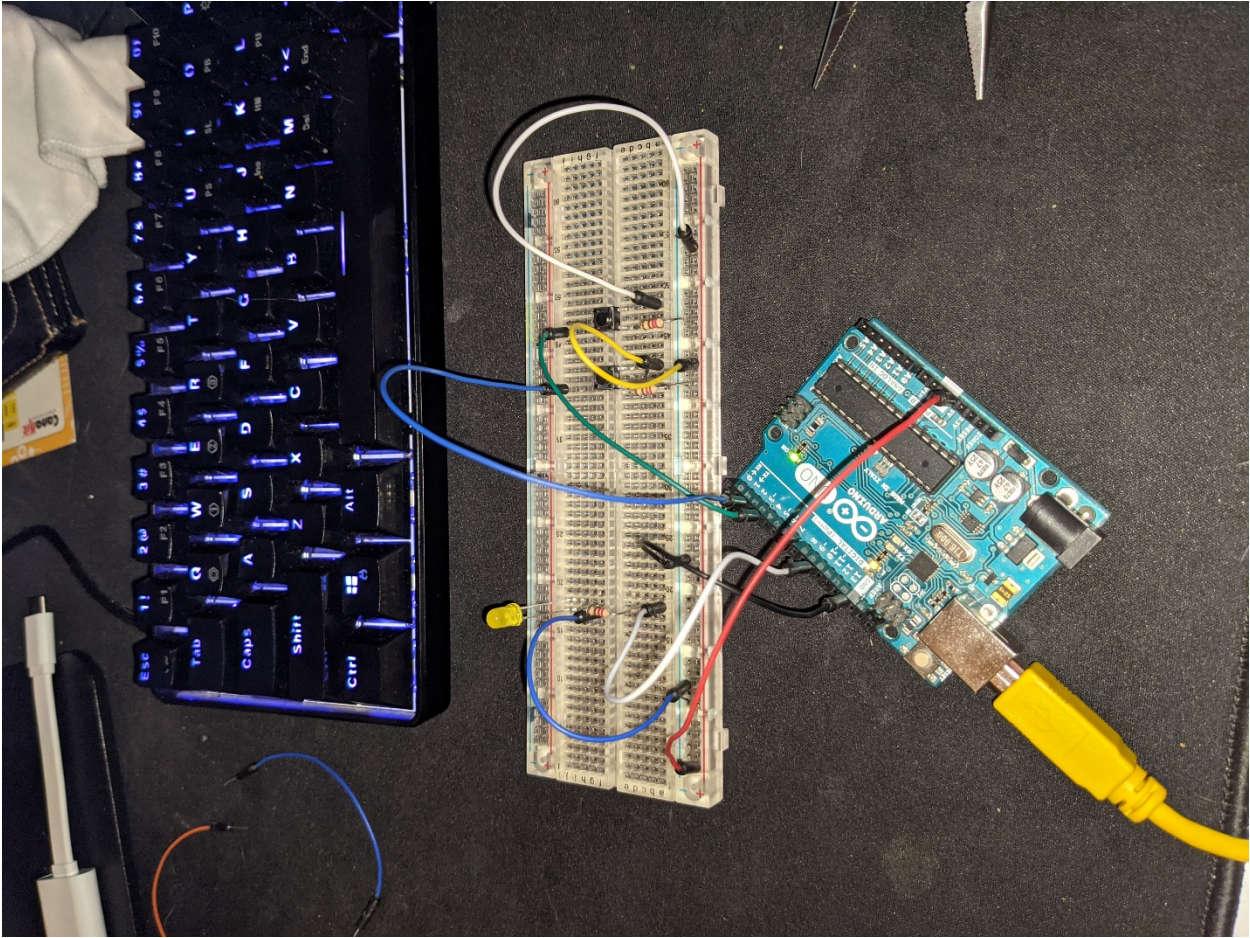
Exercise 2



```
1 int button1 = 2;
2 int button2 = 4;
3 int led = 10;
4 int sig1;
5 int sig2;
6
7
8 void setup()
9 {
10  pinMode(led, OUTPUT);
11  pinMode(button1, INPUT);
12  pinMode(button2, INPUT);
13
14 }
15
16
17 void loop()
18 {
19  sig1 = digitalRead(button1);
20  sig2 = digitalRead(button2);
21
22  if (sig1 == 1 && sig2 == 1) {
23    digitalWrite(led, HIGH);
24  }
25  else {
26    digitalWrite(led, LOW);
27  }
28  delay(10);
29 }
30
```

10





File Edit Sketch Tools Help



```
orgate1$  
  
  int button1 = 2;  
int button2 = 4;  
int led = 10;  
int sig1;  
int sig2;  
  
void setup()  
{  
  pinMode(led, OUTPUT);  
  pinMode(button1, INPUT);  
  pinMode(button2, INPUT);  
  
}  
  
void loop()  
{  
  sig1 = digitalRead(button1);  
  sig2 = digitalRead(button2);  
  
  if (sig1 == 1 && sig2 == 1) {  
    digitalWrite(led, HIGH);  
  }  
  else {  
    digitalWrite(led, LOW);  
  }  
  
  delay(10);  
}
```

Exercise 3

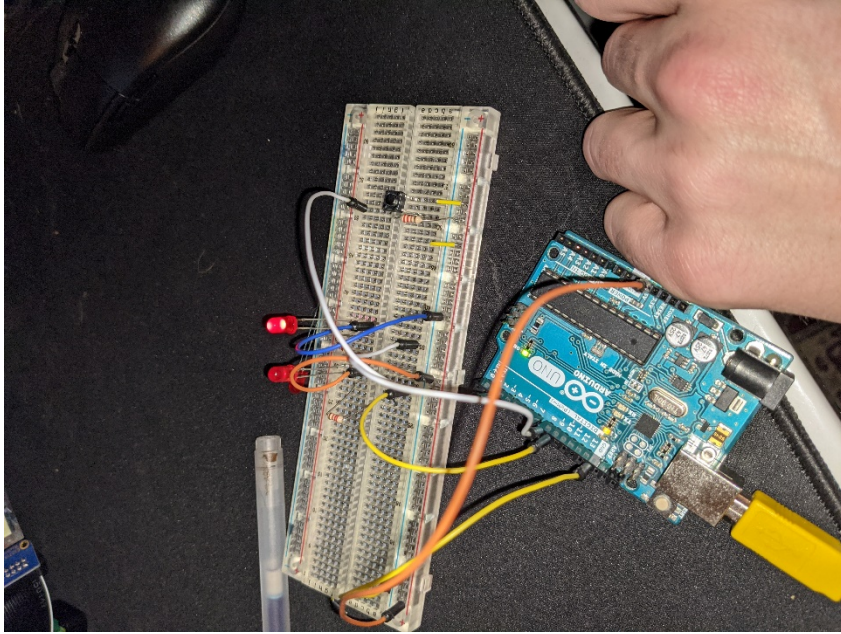
sketch_jan26b

```
int led1 = 8;
int led2 = 9;
int button = 2;

void setup() {
  // put your setup code here, to run once:
  pinMode(led1, OUTPUT);
  pinMode(led2, OUTPUT);
  pinMode(button, INPUT);
}

void loop() {
  // put your main code here, to run repeatedly:
  int sig = digitalRead(button);

  if (sig != 1) {
    digitalWrite(led2, LOW);
    digitalWrite(led1, HIGH);
  }
  else {
    digitalWrite(led2, HIGH);
    digitalWrite(led1, LOW);
  }
}
```

The light #2 is dim so it's hard to see but it does turn on when I push the button. It's a little brighter than light #1

