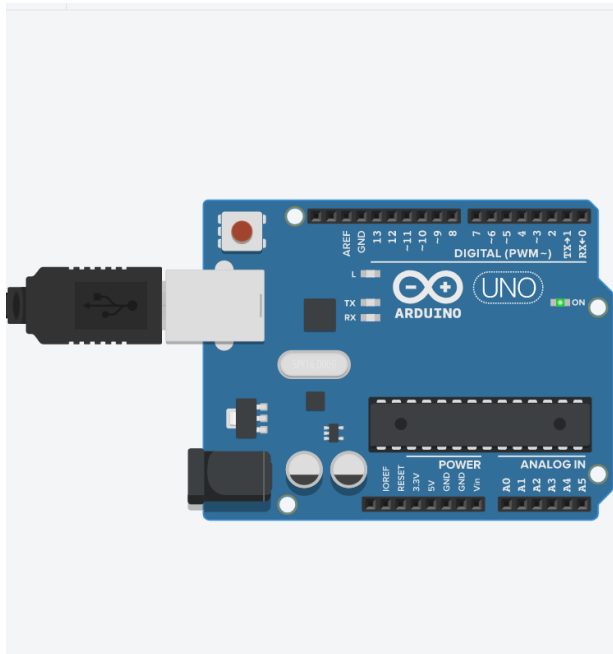


## Exercise 1 rory lange



Arduino Uno R3

Name 1

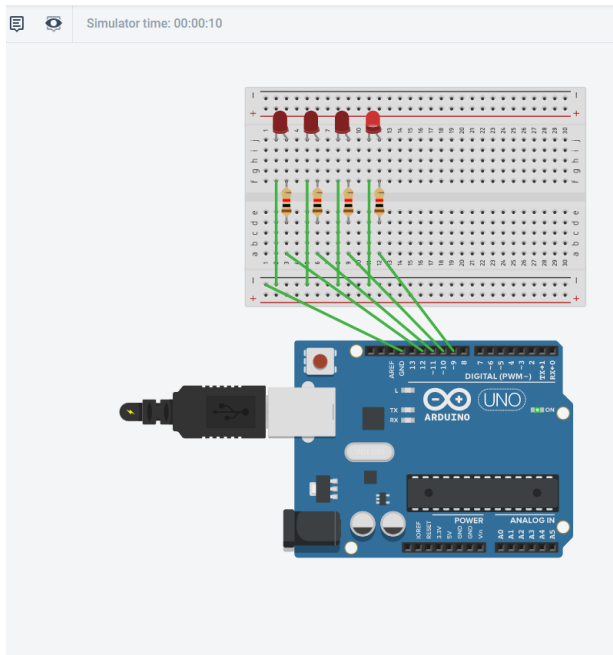
```
1 int i = 10;
2
3 void setup()
4 {
5   Serial.begin(9600);
6   Serial.println("Serial While Loop");
7
8   do {
9     i++;
10    Serial.println(i);
11  }while (i <= 10);
12
13 void loop()
14 {
15
16
17 }
```

Serial Monitor

Serial While Loop

11

## Exercise 2



Simulator time: 00:00:10

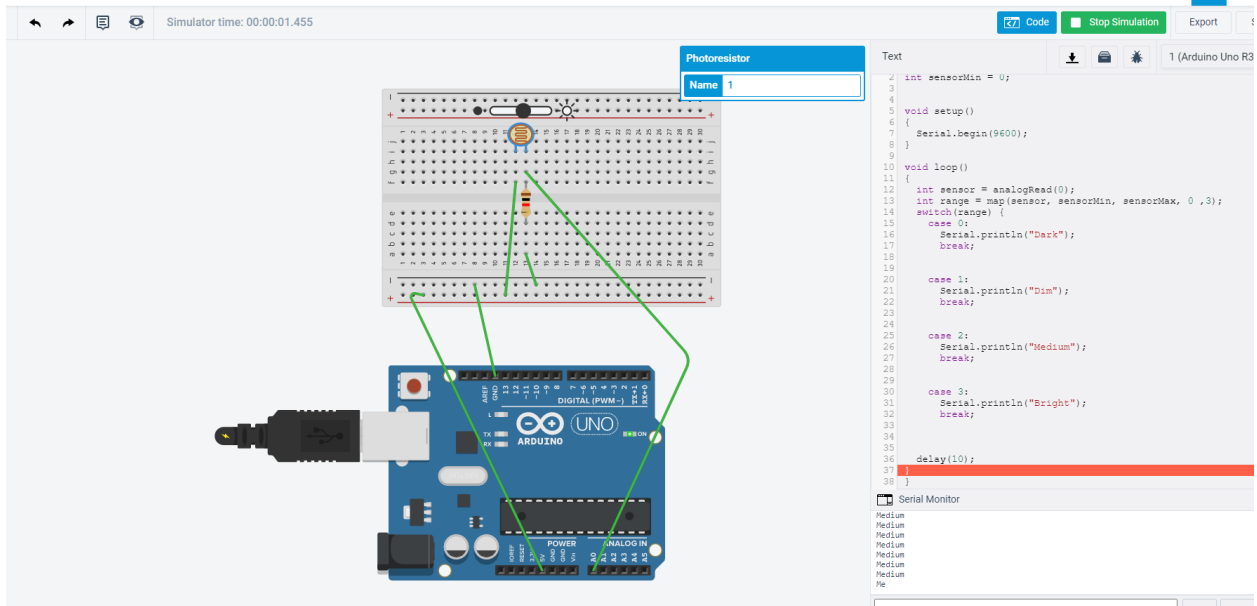
Code Stop Simulation Export

Text

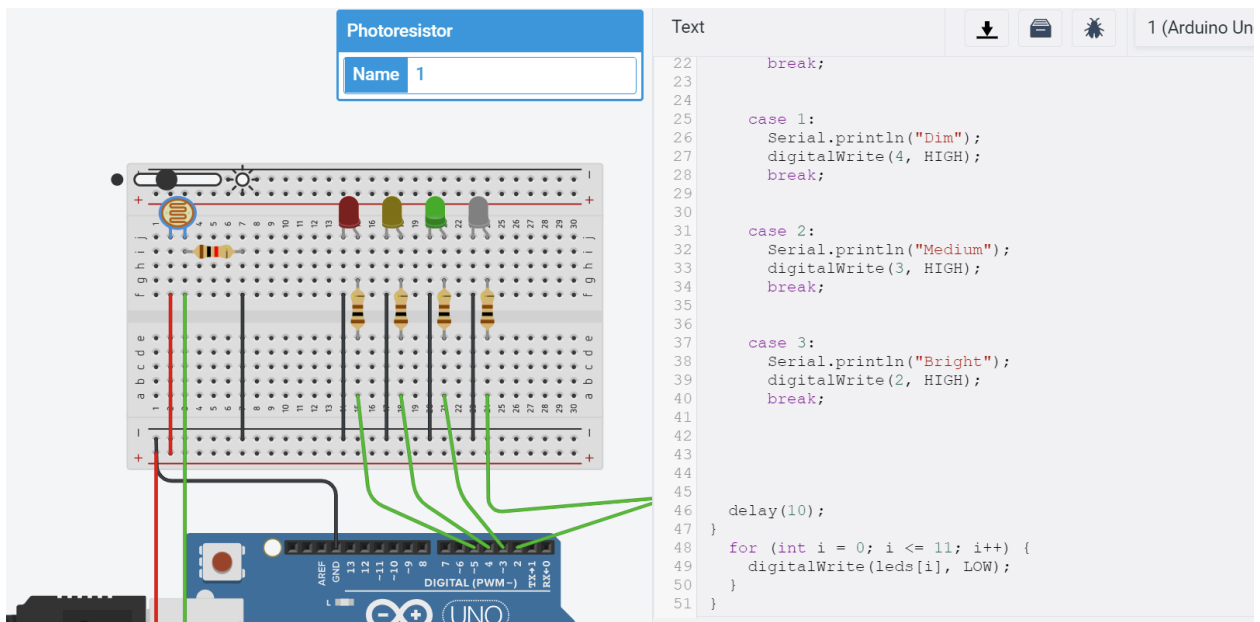
```
3 int led_10=10;
4 int led_11=11;
5 int led_12=12;
6
7 void setup() {
8   pinMode(led_9, OUTPUT);
9   pinMode(led_10, OUTPUT);
10  pinMode(led_11, OUTPUT);
11  pinMode(led_12, OUTPUT);
12 }
13
14 void loop() {
15   x=1;
16   do {
17     digitalWrite(led_9,HIGH);
18     delay (250);
19     digitalWrite(led_9, LOW);
20     delay(250);
21     x=x+1;
22   } while (x<=4);
23   x=1;
24   do{
25     digitalWrite(led_10, HIGH);
26     delay (250);
27     digitalWrite(led_10, LOW);
28     delay(250);
29     x=x+1;
30   }while (x<=3);
31   x=1;
32   do{
33     digitalWrite(led_11,HIGH);
34     delay (250);
35     digitalWrite(led_11, LOW);
36     delay(250);
37     x=x+1;
38   }while (x<=2);
39   x=1;
40   do{
41     digitalWrite(led_12,HIGH);
42     delay (250);
43     digitalWrite(led_12, LOW);
44     delay(250);
45     x=x+1;
46   }while (x<=1);
47   x=1;
48   delay (250);
49 }
```

1 (Arduino Un

## Exercise 3



## Exercise 4



The lights are kinda dim but they do light up, I had my windows open.

