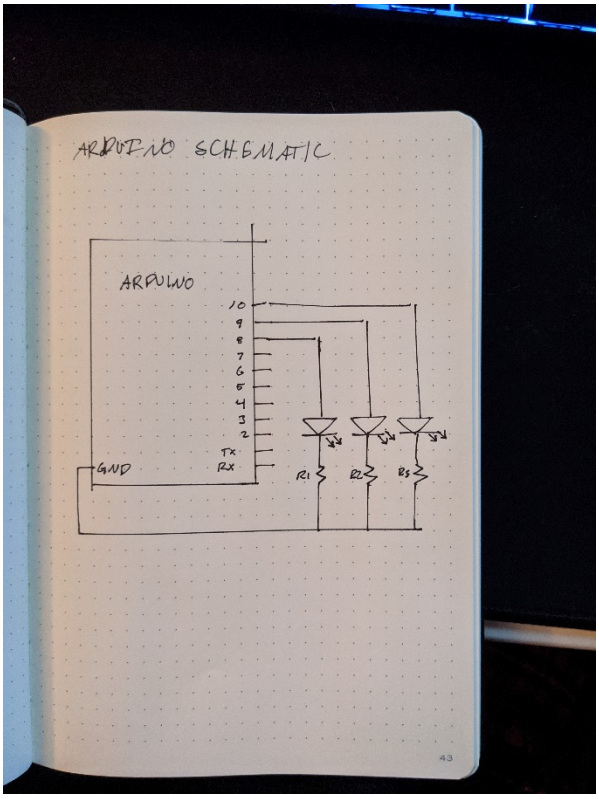
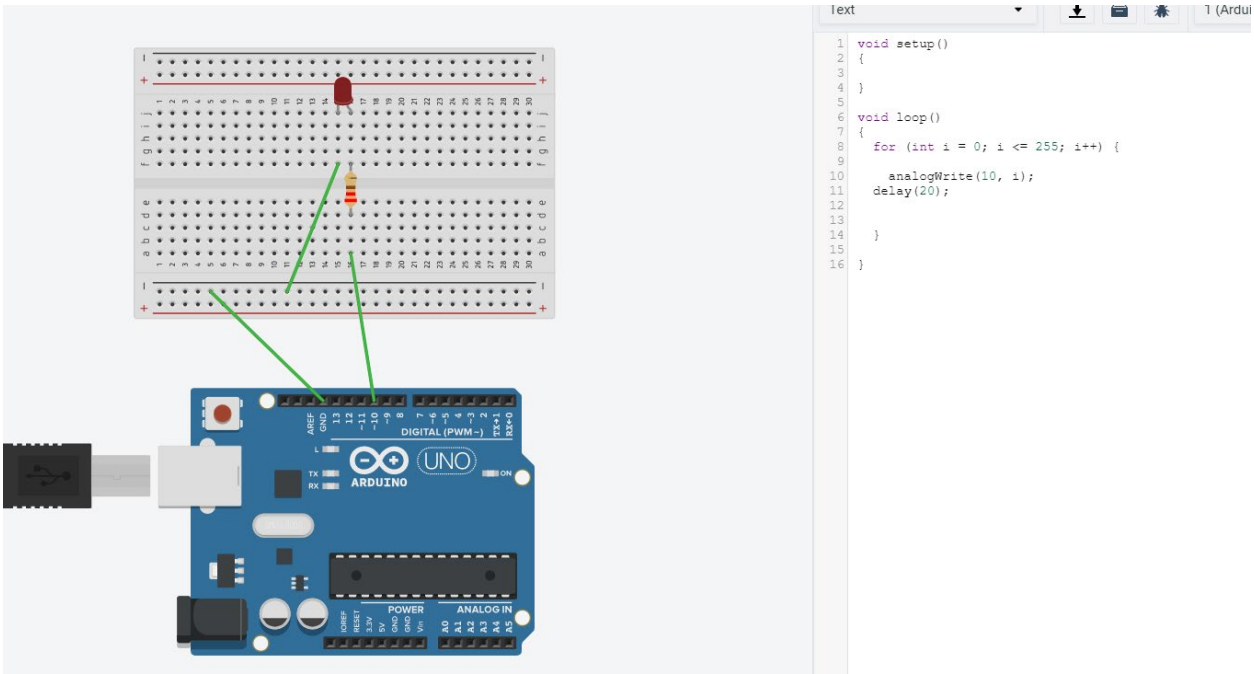
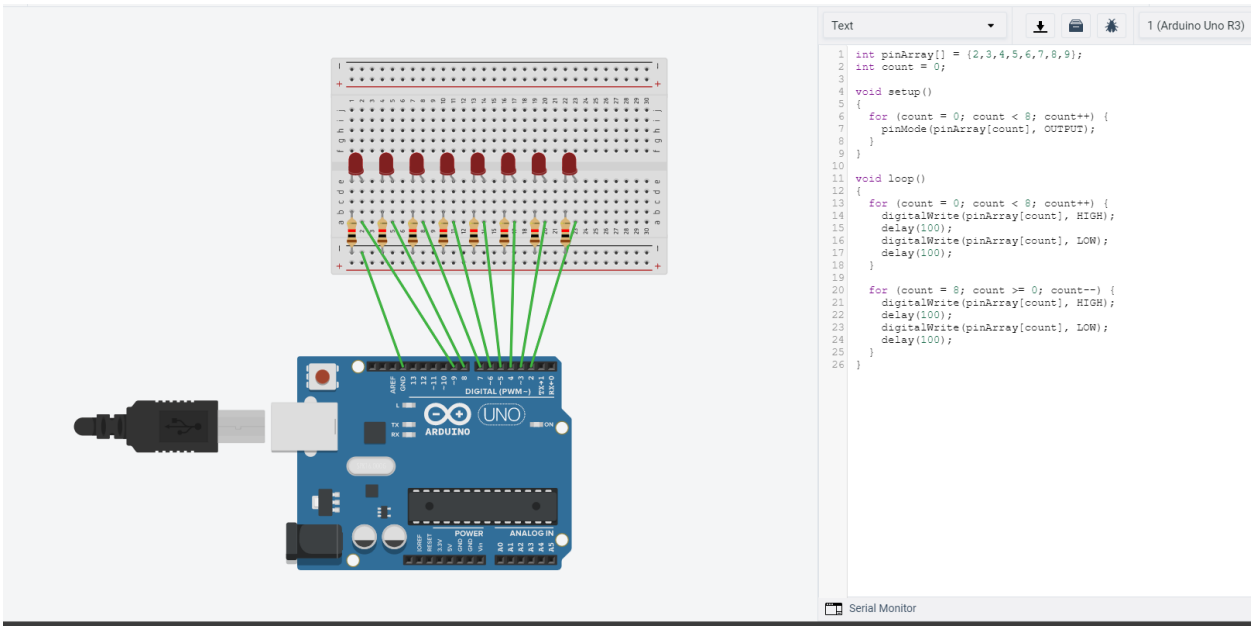
Exercise 1 rory lange



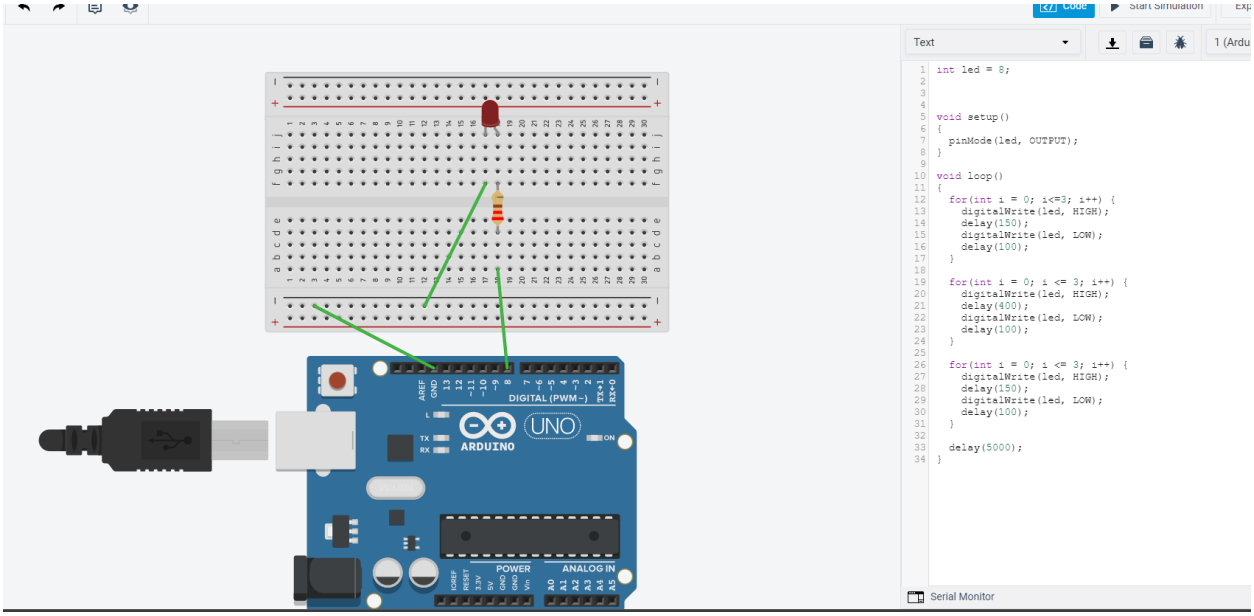
Exercise 2



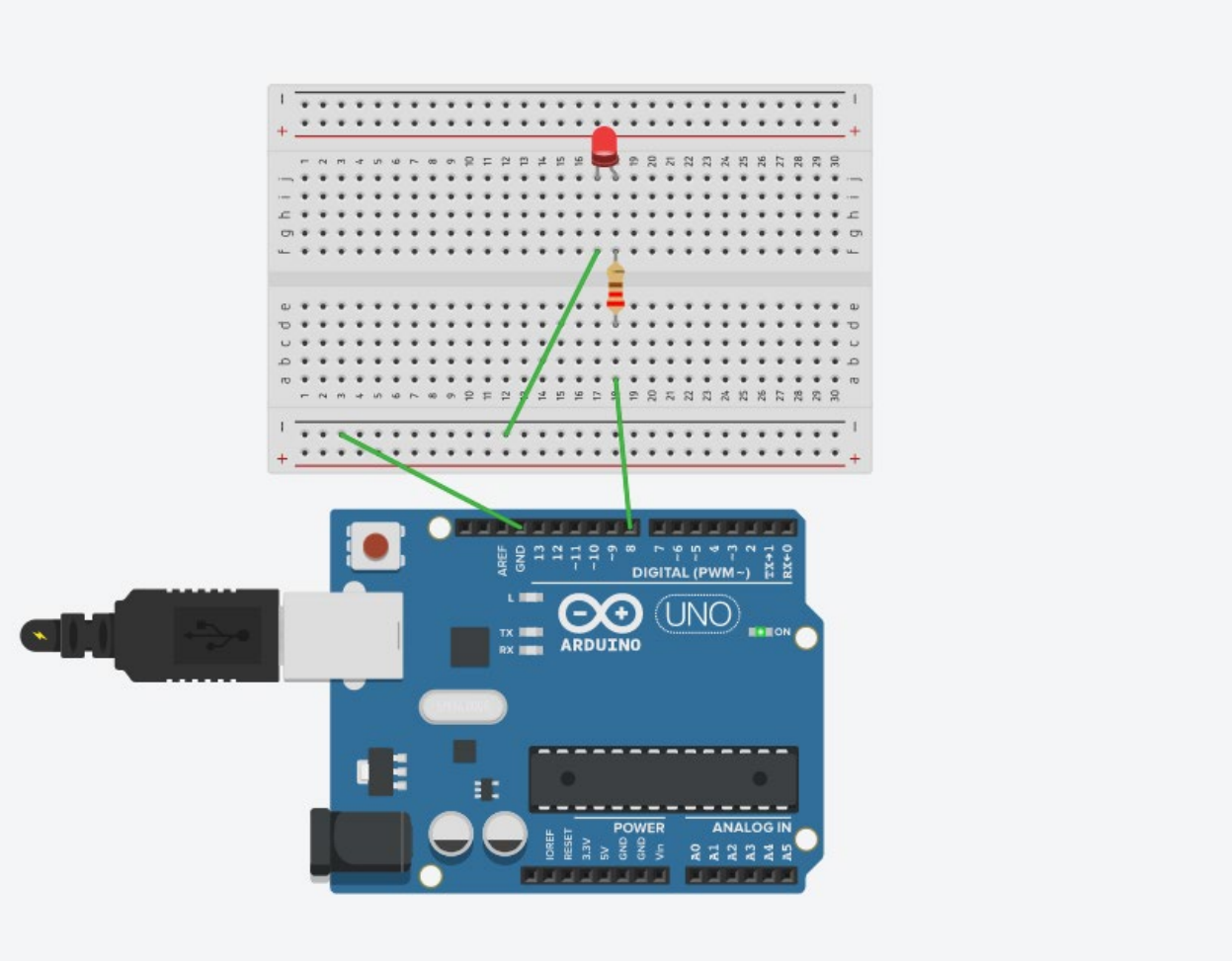
Exercise 3



Exercise 4 task 1



Exercise 4 task 2


DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN

```
int led = 8;



void setup()
{
  pinMode(led, OUTPUT);
}

void loop()
{
  delay(100);
  //r .-.
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);

  delay(100);
  for(int i = 0; i <= 3; i++) { //o ---
    digitalWrite(led, HIGH);
    delay(400);
    digitalWrite(led, LOW);
    delay(100);
  }

  delay(100);
  //r .-.
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);
```

```
    delay(400);
    digitalWrite(led, LOW);
    delay(100);
  }

  delay(100);
  //r .-.
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);

  delay(100);
  //y -.--
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(150);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);
  digitalWrite(led, HIGH);
  delay(400);
  digitalWrite(led, LOW);
  delay(100);



  delay(5000);
}
```

Serial Monitor