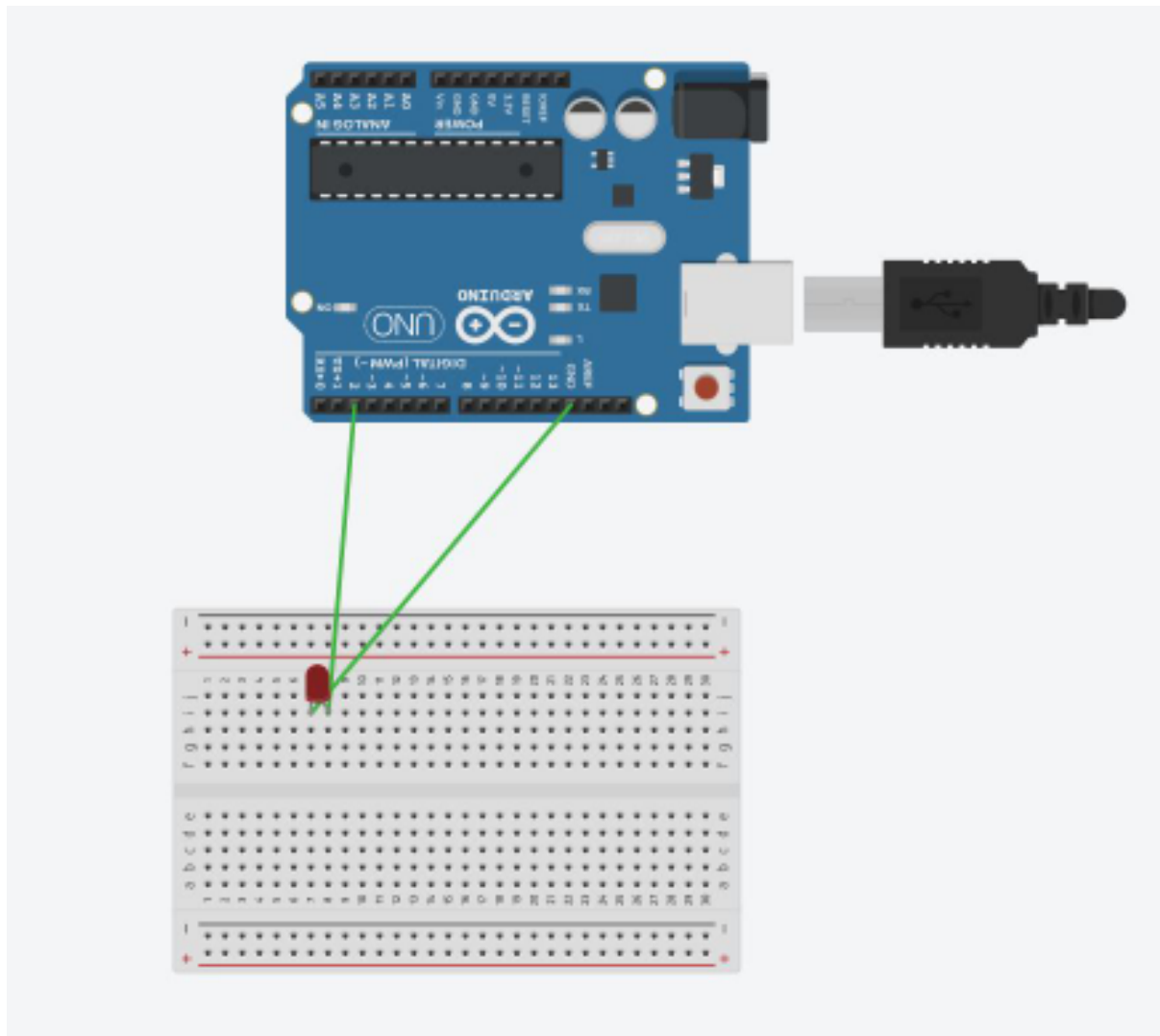# Exp. 1 Design an LED flasher

Circuit Diagram:

Theory: LED Flasher are semiconductor integrated circuits used to turn on and off groups of light emitting diodes either sequentially or according to a programmed pattern. They are found in circuits used as indicators and controllers, as well as in home-built

projects.

Learning & Observation :

1. Observed Blinking of LED.
2. Working of Arduino.
3. Different sections of Arduino.
4. Coding for Arduino to blink a LED.

Precautions:

1. There should not be any loose connection in the circuit.
2. Code should be written properly.
3. Arduino should be attached to pc/laptop properly.

Code:

```
void setup()
{
  pinMode(2, OUTPUT);
}

void loop()
{
  digitalWrite(2, HIGH);
  delay(1000); // Wait for 1000 millisecond(s)
  digitalWrite(2, LOW);
  delay(1000); // Wait for 1000 millisecond(s)
}
```