

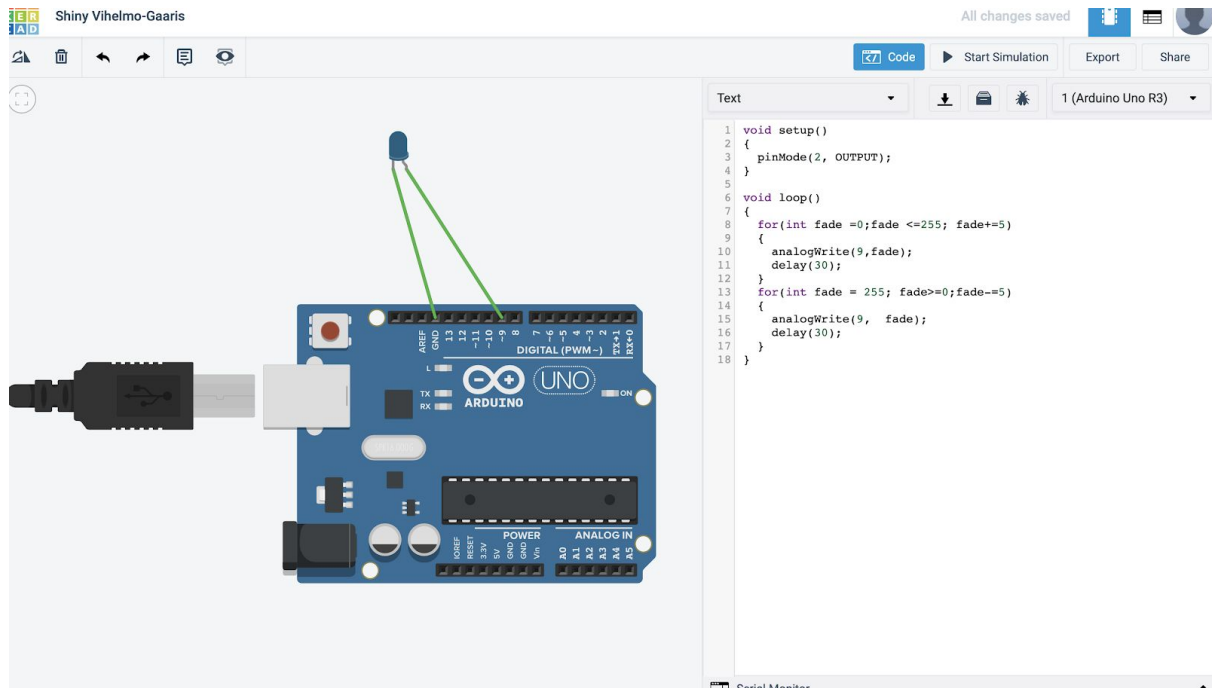
# IOT LAB

## Program Title – FADING OF LED

**AIM – Demonstrate to show fading of LED Hardware Required -**

- Arduino Board
- LED
- Breadboard
- Wires
- Resistor

## Circuit Diagram -



Code-

```

Suman Kumar Patel
Jade

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

void loop()
{
  for (int Jade = 0; Jade <= 255; Jade += 5)
  {
    analogWrite(2, Jade);
    delay(30);
  }

  for (int Jade = 255; Jade >= 0; Jade -= 5)
  {
    analogWrite(2, Jade);
    delay(30);
  }
}

```

### Observation /Output -

The fading of led from brighter side to darker and vise versa is observed.