

IOT LAB

Program no - 4

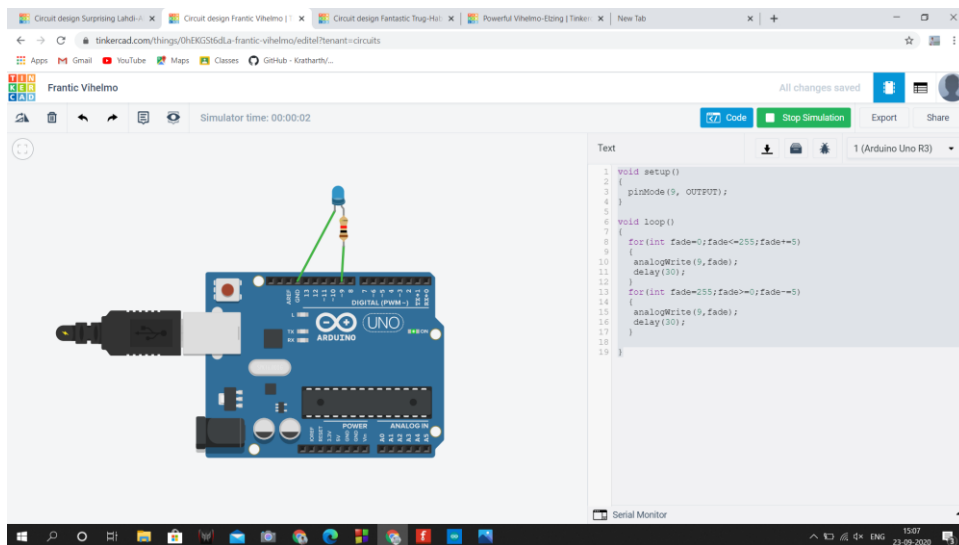
Program Title – FADING OF LED

AIM – Demonstrate to show fading of LED

Hardware Required -

- Arduino Board
- LED
- Breadboard
- Wires
- Resistor

Circuit Diagram -



Code-

LAB-4
Date: / /
To demonstrate fading of LED. 18M180099
SHASHIDHAN PATIL

Code:

```
void setup()
{
    pinMode (9, output);
}

void loop()
{
    for (int fade = 0; fade <= 255; fade += 5)
    {
        analogWrite (9, fade);
        delay (10);
    }
    for (int fade = 255; fade >= 0; fade -= 5)
    {
        analogWrite (9, fade);
        delay (10);
    }
}
```

sn

Observation /Output -

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