

Name – Shreya Laddha

Program No. – 02

Program Title – Traffic Controller

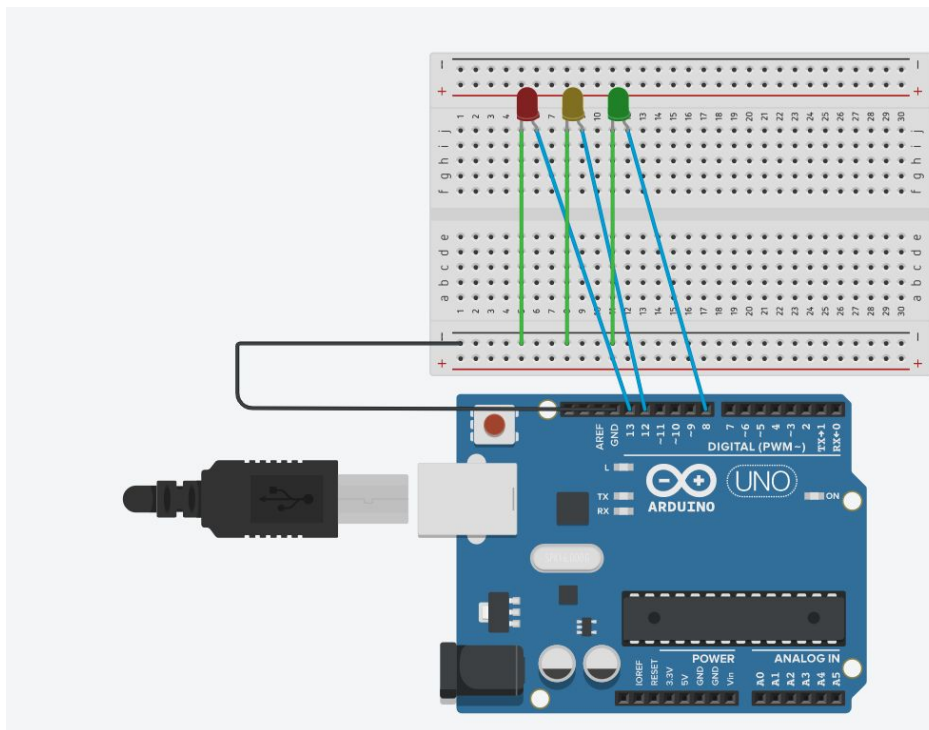
AIM

Traffic Signal Simulator.

HARDWARES REQUIRED

- Arduino Board
- LEDs
- Breadboard

CIRCUIT DIAGRAM



WRITE-UP

PFA

CODE

```
void setup()
{
    pinMode(13, OUTPUT);
    pinMode(12,OUTPUT);
    pinMode(8,OUTPUT);
}
```

```
void red()
{
    digitalWrite(13, HIGH);
    digitalWrite(12,LOW);
    digitalWrite(8,LOW);
}
```

```
void yellow()
{
    digitalWrite(13, LOW);
    digitalWrite(12,HIGH);
}
```

```
    digitalWrite(8,LOW);  
}  
void green()  
{  
    digitalWrite(13, LOW);  
    digitalWrite(12,LOW);  
    digitalWrite(8,HIGH);  
}  
void loop()  
{  
    red();  
    delay(3000);  
    yellow();  
    delay(1500);  
    green();  
    delay(3000);  
    yellow();  
    delay(1500);  
}
```

OUTPUT

All the three LEDs blink one after the other at an interval of 1000ms.