Name – Parag Gattani

Program No. – 02

Program Title – Traffic Controller

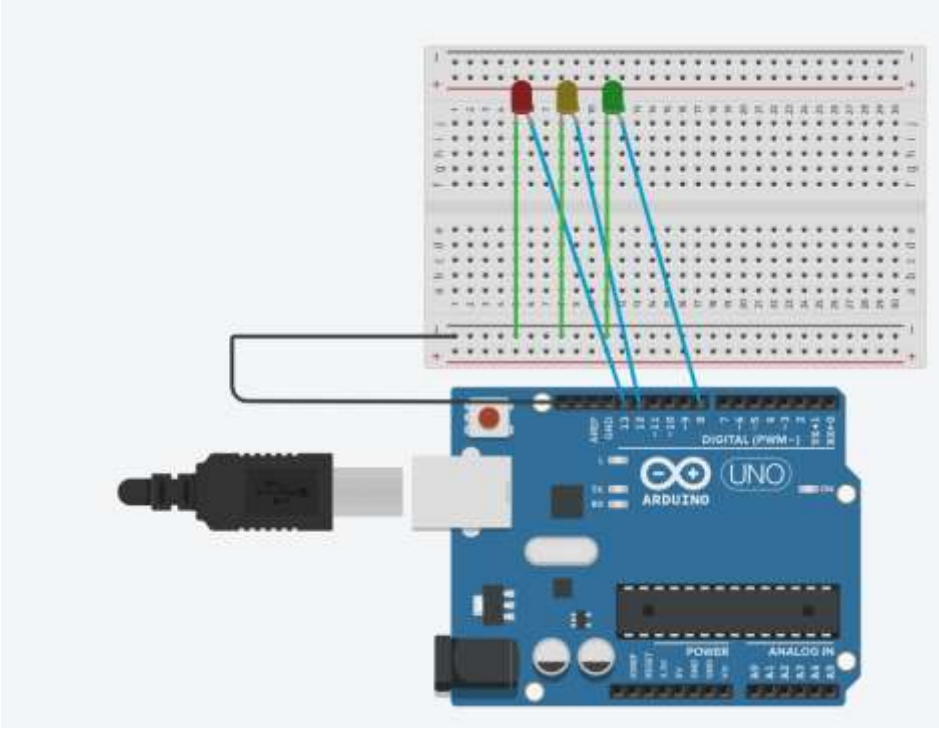
AIM

Traffic Signal Simulator.

HARDWARES REQUIRED

- Arduino Board
- LEDs
- Breadboard

CIRCUIT DIAGRAM



WRITE-UP

Name - Parag Gattani
USN - 1BM18CS067

16/09/2020

Exp. No. -2

TRAFFIC CONTROLLER

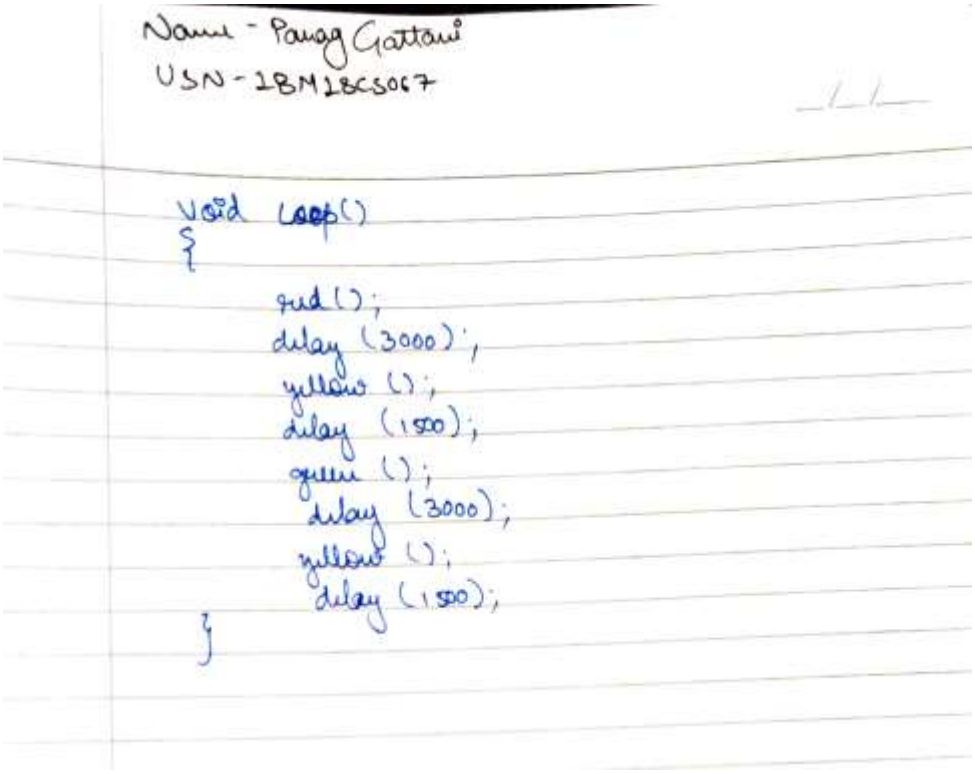
Aim:- Traffic signal Simulator.

Hardware Required:-

- Arduino Board
- LEDs
- Bread Board

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);
 }
```



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.