Sakshi Srivastava
1BM18CS090

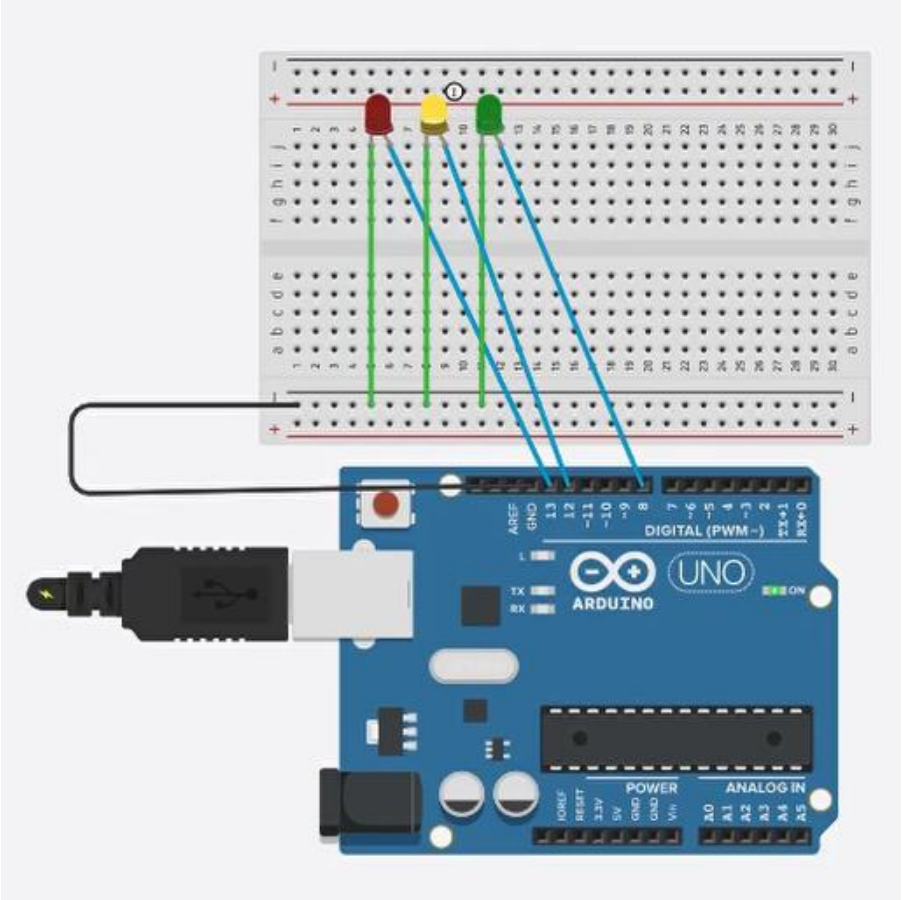
PROGRAM TITLE: TRAFFIC CONTROLLER

Aim: TRAFFIC SIGNAL STIMULATOR

Hardware Required:

- Arduino Board
- LEDs
- Breadboard

Circuit Diagram:



Write-Up:

NAME: Lakshi Srivastava USN: 1BM18CS040 Date: 14/9/2020

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TRAFFIC CONTROLLER.

Aim: Traffic Signal Stimulator.

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);
}
void loop()
{ red();
  delay (3000);
  yellow();
  delay (1500);
  green();
  delay (3000);
  yellow();
  delay (1500);
}
```

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);
}
```

Observation /Output:

LEDs are blinking.