Sakshi Srivastava

1BM18CS090

PROGRAM TITLE: TRAFFIC CONTROLLER

Aim: TRAFFIC SIGNAL STIMULATOR

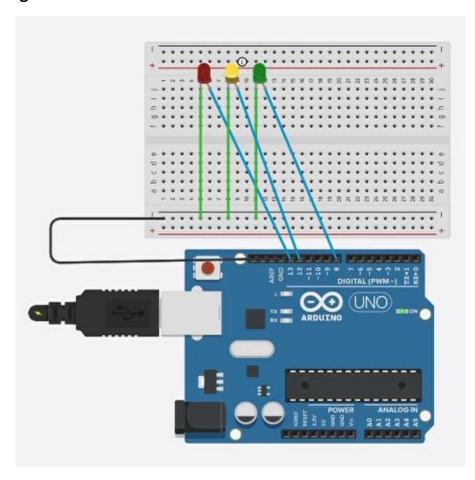
Hardware Required:

• Arduino Board

LEDs

Breadboard

Circuit Diagram:



Write-Up:

```
NAME: Sakshi Shivastava USN: 1BM18CS090
                                                 Date 14 9 2020
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                     TRAFFIC CONTROLLER.
  Aim: Traffic Signal Stimulator.
  Hardware Regused:
   · Arduino Board
· LEDS
   · Bread board.
  CODE:
   Void setupi)
   pui Mode (13, OUTPUT);
pui Mode (12, OUTPUT);
  ¿ primode (8, OUTPUT);
   void sed ()
  ¿ digital Write (13, HIGH);
   digital Write (12, cow);
   digital write (8, LOW).
   void yellow ()
   2 digital Write (13, LOW)
    digital write (12, H14H);
digital write (8, LOW);
```

```
Void green ()

digital Write (13, Low);

digital Write (12, Low);

digital Write (12, Low);

void loop()

1 red ();

delay (3000);

yellow ();

delay (1500);

yellow ();

delay (1500);

yellow ();
```

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.