

Name: Shreya Ladhe
USN: 18M18CS103

Program : 2 TRAFFIC CONTROLLER

Aim: Traffic Signal Simulation

Hardware requirements :

- Arduino Board
- LED's
- Resistors
- Bread Board.

Code :

```
void setup()  
{  
    pinMode(13, OUTPUT);  
    pinMode(12, OUTPUT);  
    pinMode(11, OUTPUT);  
}  
  
void red()  
{  
    digitalWrite(13, HIGH);  
    digitalWrite(12, LOW);  
    digitalWrite(11, LOW);  
}  
  
void yellow()  
{  
    digitalWrite(13, LOW);
```

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Name: Shreya Laddhe

USN: IBMLPC5103

```
digitalWrite(12, HIGH);  
digitalWrite(11, LOW);
```

```
}
```

```
void green()
```

```
{
```

```
digitalWrite(13, LOW);  
digitalWrite(12, LOW);  
digitalWrite(11, HIGH);
```

```
}
```

```
void loop()
```

```
{
```

```
red();  
delay(3000);  
yellow();  
delay(3000);  
green();  
delay(3000);
```

```
}
```

Teacher's Signature : _____

Name: Shweta Caddhy
USN: IBM18CS103

CIRCUIT DIAGRAM

