

# Internet of Things

## Lab-1

### Traffic Signals.

JS Megharia

IBM18CS039

CSE

5<sup>th</sup> Sem

1-Batch

Code:-

```
int GREEN = 2;  
int YELLOW = 3;  
int RED = 4;  
int DELAY_GREEN = 5000;  
int DELAY_YELLOW = 2000;  
int DELAY_RED = 5000;
```

Void Setup()

```
{  
  pinMode (GREEN, OUTPUT);  
  pinMode (YELLOW, OUTPUT);  
  pinMode (RED, OUTPUT);  
}
```

Void loop()

```
{  
  green-light ();  
  delay (DELAY_GREEN);  
  yellow-light ();  
  delay (DELAY_YELLOW);  
  red-light ();  
  delay (DELAY_RED);  
}
```

(1)



Void green-light ()

```
{  
    digitalWrite (GREEN, HIGH);  
    digitalWrite (YELLOW, LOW);  
    digitalWrite (RED, LOW);  
}
```

Void yellow-light ()

```
{  
    digitalWrite (GREEN, LOW HIGH);  
    digitalWrite (YELLOW HIGH);  
    digitalWrite (RED, LOW);  
}
```

Void red-light ()

```
{  
    digitalWrite (GREEN LOW);  
    digitalWrite (YELLOW LOW);  
    digitalWrite (RED HIGH);  
}
```



# Circuit

