

IoT Lab - 2

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IBM18CS095

2) Traffic Lights

Aymaan

```
int GREEN = 2;
```

```
int YELLOW = 3;
```

```
int RED = 4;
```

```
int DELAY_GREEN = 900;
```

```
int DELAY_YELLOW = 700;
```

```
int DELAY_RED = 900;
```

```
void setup()
```

```
{
```

```
  pinMode (GREEN, OUTPUT);
```

```
  pinMode (YELLOW, OUTPUT);
```

```
  pinMode (RED, OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  red-light();
```

```
  delay (DELAY_RED);
```

```
  yellow-light();
```

```
  delay (DELAY_YELLOW);
```

```
  green-light();
```

```
  delay (DELAY_GREEN);
```

```
}
```



```
void green-light ()  
{  
    digitalWrite (GREEN, HIGH);  
    digitalWrite (YELLOW, LOW);  
    digitalWrite (YELLOW, LOW);  
}
```

```
void yellow-light ()  
{  
    digitalWrite (GREEN, LOW);  
    digitalWrite (YELLOW, HIGH);  
    digitalWrite (RED, LOW);  
}
```

```
void red-light ()  
{  
    digitalWrite (GREEN, LOW);  
    digitalWrite (YELLOW, LOW);  
    digitalWrite (RED, HIGH);  
}
```