

Assignment-3 Team

ID-PNT2022TMID43259

Question:

Write Python code for blinking LED and Traffic lights for Raspberry pi.

Program:

- **Blinking LED**

```
Import RPi.GPIO as GPIO Import
```

```
time
```

```
GPIO.setmode(GPIO.BOARD)
```

```
GPIO.setup(11, GPIO.OUT)
```

```
While True:
```

```
    GPIO.output(11,True)
```

```
    Time.sleep(1)
```

```
    GPIO.output(11,False)
```

```
    Time.sleep()
```

- **Traffic light**

```
Import RPi.GPIO as GPIO Import
```

```
time
```

```
GPIO.setmode(GPIO.BOARD)
```

```
Red=7
```

```
Yellow=11
```

```
Green=13
```

```
GPIO.setup(red, GPIO.OUT)
```

```
GPIO.setup(yellow, GPIO.OUT)
```

```
GPIO.setup(green, GPIO.OUT)
```

```
While True:
```

```
GPIO.output(red,True)
```

```
Time.sleep(8)
```

```
GPIO.output(red,False)
```

```
GPIO.output(yellow,True)
```

```
Time.sleep(3)
```

```
GPIO.output(yellow,False)
```

```
GPIO.output(green,True)
```

```
Time.sleep(5)
```

```
GPIO.output(green,False)
```

```
GPIO.cleanup()
```