

**ASSIGNMENT-3 PYTHON CODE  
FOR RASPBERRY Pi**

Assignment Date	06 October 2022
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Maximum Marks	2 Marks

**QUESTION:**

Build a python code for blinking of LEDs and Traffic lights for Raspberry Pi.

**SOLUTION:**

**BLINKING OF LEDs:**

```
#BLINKING OF LED
```

```
import RPi.GPIO as GPIO
```

```
import time
```

```
LED_PIN = 17
```

```
GPIO.setmode(GPIO.BCM)
```

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

```
while True:
```

```
    GPIO.output(LED_PIN, GPIO.HIGH)
```

```
    time.sleep(1)
```

```
    GPIO.output(LED_PIN, GPIO.LOW)
```

```
    time.sleep(1)
```

```
GPIO.cleanup()
```

## **TRAFFIC LIGHTS:**

#TRAFFIC LIGHTS

import RPi.GPIO as

GPIO import me

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)

me.sleep(3)

GPIO.output(Red, False)

GPIO.output(Yellow, True)

me.sleep(1)

GPIO.output(Yellow, False)

GPIO.output(Green, True)

```
me.sleep(3) GPIO.output(Green,  
False)  
GPIO.cleanup()
```