

### ASSIGNMENT 3

Date	05 October 2022
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#### Python code for blinking LED using Raspberry pi

```
import RPi.GPIO as GPIO
import time

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(12, GPIO.OUT)

while True:
    GPIO.output(12, True)
    time.sleep(0.5)
    GPIO.output(12, False)
    time.sleep(0.5)
```

#### Python code for Traffic Lights using Raspberry pi

```
import RPi.GPIO as GPIO
from time import sleep

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)
    sleep(3)
```

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

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

```
sleep(3)
```

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

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

```
sleep(3)
```

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