

## **IBM ASSIGNMENT- 3**

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**Build a python code. Write python code for blinking LED and Traffic lights for Raspberry pi.**

**Program:**

```
import RPi.GPIO as GPIO

import time

import signal

import sys

GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

def allLightsOff(signal, frame):

    GPIO.output(9, False)

    GPIO.output(10, False)

    GPIO.output(11, False)
```

```
GPIO.cleanup()
```

```
sys.exit(0)
```

```
signal.signal(signal.SIGINT, allLightsOff)
```

```
while True:
```

```
    GPIO.output(9, True)
```

```
    time.sleep(3)
```

```
    GPIO.output(10, True)
```

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

```
    GPIO.output(9, False)
```

```
    GPIO.output(10, False)
```

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

```
    time.sleep(5)
```

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

```
    GPIO.output(10, True)
```

```
    time.sleep(2)
```

```
    GPIO.output(10, False)
```