

## IBM ASSIGNMENT- 3

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

### **Program:**

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

```
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)
```