# ASSIGNMENT- 3

**Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in 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)
```

```python
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)
```