Assignment -3
Python Programming

Assignment Date	07 October 2022
Student Name	Alfha A
Student Roll Number	960219106019
Maximum Marks	2 Marks

Question:

Write a python code for Blinking LED and Traffic lights for Raspberry pi.

Solution:

```python
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

 GPIO.output(8, GPIO.HIGH)

 sleep(1)

 GPIO.output(8, GPIO.LOW)

 sleep(1)


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)
```

```python
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)
```