Assignment -3
Python Programming

Assignment Date	12 october 2022
Student Name	N.NAVEEN
Student Roll Number	711619106301
Maximum Marks	2 Marks

Question:

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

Solution:

LED Blinking

```
import RPi.GPIO as GPIO
import time
GPIO.setmode (GPIO.BOARD)
GPIO.setup(11,GPIO.out)
GPIO.output(11,1)
time.sleep(1)
GPIO.output(11,0)
time.sleep(1)
GPIO.output(11,1)
time.sleep(1)
GPIO.output(11,0)
time.sleep(1)
GPIO.cleanup()
```

Traffic light

```
import RPi.GPIO as GPIO
import time

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)
```

```python
while True:
GPIO.output(red,True)
sleep(3)
GPIO.output(red,False)

GPIO.output(yellow,True)
sleep(1)
GPIO.output(yellow,False)

GPIO.output(green,True)
sleep(3)
GPIO.output(green,False)
GPIO.cleanup()
```