

Assignment -3
Python Programming

Assignment Date	07 October 2022
Student Name	Nivedha J
Student Roll Number	211519104104
Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and traffic light for raspberry pi.

Solution:

```
import RPi.GPIO as GPIO
import time
red=7
yellow=12
green=26
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()
GPIO.setup(red,GPIO.OUT)
GPIO.setup(yellow,GPIO.OUT)
GPIO.setup(green,GPIO.OUT)
while True:
    GPIO.output(red,True)
    time.sleep(1)
    GPIO.output(red,False)

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

    GPIO.output(green,True)
    time.sleep(1)
    GPIO.output(green,False)
    GPIO.cleanup()
```

