Assignment -3

PYTHON PROGRAMMING

Assignment Date	02 october 2022
Student Name	**Ms. GAYATHRI S**
Student Roll Number	**911019106003**
Maximum Marks	2 Marks

Question-1:

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

Solution:

PROGRAM:

```
import RPi.GPIO as GPIO

from time import sleep


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)


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()