Assignment Date	19 September 2022
Student Name	Gangineni chakarvathi
Student Roll Number	111519106036
Maximum Marks	2 Marks

Question 3:

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

CODE:

RASPBERRY PI LED BLINK:

```
import RPi.GPIO as GPIO import time

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

GPIO.setup(18,GPIO.OUT)  print

("LED on")

GPIO.output(18,GPIO.HIGH)

time.sleep(1) print ("LED

off")

GPIO.output(18,GPIO.LOW)
```

CODE:

RASPBERRY PI FOR TRAFFIC LIGHT:

```
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)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)
```