

### Assignment -3

Assignment Date	06 October 2022
Student Name	Shreemathi R N
Student Roll Number	73771914173
Maximum Marks	2 Marks

Question-I:

Write a Python code for blinking LED and Traffic lights for Raspberrypi.

Solution:

Code:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(11, True)
    time.sleep(1)
    GPIO.output(11, False)
    time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
```

while True:

```
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```