Assignment -3

Python Programming

Assignment Date	5-OCTOBER-2022
Student Name	V.HARSHINI
Student Roll Number	913119106032
Maximum Marks	2 Marks

Question-1: Write python code for blinking LED and Traffic lights for Raspberry pi

Solution:

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
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()

python code for binking light

```
import RPi.GPIO as GPIO
import time
LED = 40
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED, GPIO.OUT)
while True:
```

GPIO.output(LED,GPIO.HIGH)



time.sleep(1) GPIO.output(LED,GPIO.LOW) time.sleep(1)