

Assignment -3
Python Programming

Assignment Date	07 October 2022
Student Name	DHIVAKARAN.M
Student Roll Number	710419106006
Maximum Marks	2 Marks

Question-1:

Write a Python Program for blinking LED and Traffic Lights for Raspberry pi

Solution:

```
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()
light.green.on()
sleep(1)
lights.amber.on()
sleep(1)
lights.red.on()
sleep(1)
lights.off() while True:
lights.on()
buzzer.off()
button.wait_for_press()
lights.off()
buzzer.on()
button.wait_for_release() while True:
lights.blink()
buzzer.beep()
button.wait_for_press()
lights.off()
buzzer.off()
button.wait_for_release()
```