

Assignment -3
Python Programming

Assignment Date	10 October 2022
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Maximum Marks	2 Marks

Question-1:

Write a program for blinking led and traffic light for Raspberry pi:

Blinking led

```
Import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT,initial=GPIO.LOW)
While True:
    GPIO.output(8,GPIO.HIGH)
    Sleep(1)
    GPIO.output(8,GPIO.LOW)
    Sleep(1)
```

#Traffic Light

```
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()
    lights.green.on()
    sleep(1)
```

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()