

Assignment -3

PYTHON PROGRAMMING

Assignment Date	5 October 2022
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Maximum Marks	2 Marks

Question-1:

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

Solution:

BLINKING LED

CODE

```
from gpiozero import LED
from time import sleep
led = LED(23)
while True:
    led.on()
    print("LED ON")
    sleep(1)
    led.off()
    print("LED OFF")
    sleep(1)
```

TRAFFIC LIGHTS

CODE

```
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()
```