

Assignment -3
Python Programming

Assignment Date	3 OCTOBER 2022
Student Name	HAKIM.N
Student Roll Number	620219106304
Maximum Marks	2 Marks

Question-1:

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

CODE:

```
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)
    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(3)
        lights.amber.on()
        sleep(1)
        lights.red.on()
```

sleep(3)

lights.off()

buzzer.off()

Footer