

REGISTER NUMBER	731219106021
TEAM ID	PNT2022TMID44431

ASSIGNMENT-3

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

Only python code is enough, no need to execute in Raspberry pi.

CODE:-

TrafficLightcontrol:-

```

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(1)
        sleep(1)
        lights.off()

```

```
buzzer.off()
```

Blinking Led:- import RPi.GPIO as GPIO # Import Raspberry Pi
GPIO library from time import sleep # Import the sleep function from
the time module

```
GPIO.setwarnings(False) #Ignore warning for
```

```
nowGPIO.setmode(GPIO BOARD) #Use physical pin
```

```
numbering
```

```
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW) #Set pin 8
```

```
to be an output
```

```
pin and set initial value to low(off) While True: #Run
```

```
forever
```

```
GPIO.output(8,GPIO.HIGH) #Turn
```

```
on sleep(1) #Sleep for 1 second
```

```
GPIO.output(8,GPIO.LOW) #Turn
```

```
offsleep(1)#Sleep for 1 second
```