

Assignment-3

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

Code:

For LED

```
import RPi.GPIO as GPIO
import time
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)
```

For Traffic light

```
from gpiozero import Button, TrafficLights, Buzzer
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( )
```