

Assignment 3

#Python Code For Blinking LED and Traffic Lights For Raspberry Pi

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#Python Code ForTraffic Lights

```
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()
```

#python code for blinking light

```
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)
```