

ASSIGNMENT – 3

Python code for blinking LED and Traffic lights for Raspberry pi

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD) # set board mode to Broadcom
GPIO.setup(40, GPIO.OUT) # set up pin 40
while True:
    GPIO.output(40, 1)# turn on pin 40
    time.sleep(1)#delay for 1 seconds
    GPIO.output(40,0)#turn off pin 40
    time.sleep(1)#delay for 1 seconds
```

-----RPi Led light-----

```
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()
    sleep(1)
    lights.off()
    buzzer.off()
```