# ASSIGNMENT-3

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DEPT   : ELECTRONICS AND COMMUNICATION ENGG


## 1)python code for blinking LED:


## CODE:

```
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

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

```
    sleep(1)
```

## 2)Python code for traffic Light:

## CODE:

```
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()
```