

ASSIGNMENT – 3

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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) # on
    sleep(5)
    GPIO.output(8,GPIO.LOW) # off
    sleep(5)
```

Traffic Light code:

```
from gpiozero import Button,TrafficLights,Buzzer
from time import sleep

buzzer=Buzzer(18)
button=Button(30)
lights=TrafficLights(20,5,6)

while True:
    button.wait_for_press()
    buzzer.on()
    lights.green.on()
    sleep(5)
    lights.amber.on()
    sleep(2)
    lights.red.on()
    sleep(3)
    lights.off()
    buzzer.off()
```