

### ASSIGNMENT 3 :BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

```
import time
import RPi.GPIO as GPIO
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)
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15) button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
button.wait_for_press()
lights.green.on()
sleep(1) lights.amber.on()
sleep(1) lights.red.on()
sleep(1) lights.off()
while True:
lights.on()
buzzer.off()
button.wait_for_press() lights.off()
buzzer.on() button.wait_for_release()

while True: lights.blink()
buzzer.beep()
button.wait_for_press()
lights.off() buzzer.off()
button.wait_for_release()
```