

### ASSIGNMENT 3

ASSIGNMENT DATE	3 OCTOBER 2022
STUDENT NAME	Ganesh Kumar S
STUDENT ROLL NUMBER	92172019108013
MAXIMUM MARKS	2 marks

**QUESTION:** WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHT FOR RASPBERRY PI.

**CODE:**

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BO
ARD)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,
Buzzerbuzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25,
8, 7)while True:
    button.wait_for_press
    ()light.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
    ()
    buzzr.beep(
    )
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release(
    )
```