

## Assignment -3

# Personal Assistance For Seniors Who Are Self-Reliant

Assignment Date	30 September 2022
Student Name	Kaviyarasan.L
Student Roll Number	710119104008
Maximum Marks	2 Marks

Code : **PNT2022TMID42300**

```
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()
```