Assignment 3

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| **Date** | 28 September 2022 |
| **Team ID** | PNT2022TMID46387 |
| **Student Register Number** | 820319104020 |
| **Student Names** | Kesavarthini.C |
| **Project Name** | Personal Assistance for Seniors Who Are Self Reliant |
| **Maximum Marks** | 2 Marks |

**CODE :**

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() 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() buzzer.beep() button.wait\_for\_press() lights.off()

buzzer.off() button.wait\_for\_release()