

PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT ASSIGNMENT 3

BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

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()
```