# ASSIGNMENT – 3

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| Date | 6 october 2022 |
| Team ID | PNT2022TMID54076 |
| Project Name | Personal Assistance for Seniors Who Are Self- Reliant. |
| Maximum Marks | 2 Marks |

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**Objective:**

1. BLINKING OF LED FOR RASPBERRY Pi
2. TRAFFIC LIGHTS CODE FOR RASPBERRY Pi

# Code 1:

import RPi.GPIO as GPIO from time import sleep

GPIO.setwarnings(False) GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)

# Code 2:

import RPi.GPIO as GPIO import time

import signal import sys

GPIO.setmode(GPIO.BCM) GPIO.setup(9, GPIO.OUT) GPIO.setup(10, GPIO.OUT) GPIO.setup(11, GPIO.OUT)

def allLightsOff(signal, frame): GPIO.output(9, False) GPIO.output(10, False) GPIO.output(11, False) GPIO.cleanup() sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff) while True:

GPIO.output(9, True)

time.sleep(3) GPIO.output(10, True) time.sleep(1) GPIO.output(9, False) GPIO.output(10, False) GPIO.output(11, True) time.sleep(5) GPIO.output(11, False) GPIO.output(10, True) time.sleep(2) GPIO.output(10, False)