ASSIGNMENT - 3

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| **DATE** | **5/10/2022** |
| **TEAM ID** | **PNT2022TMID13442** |
| **STUDENT NAME** | **DHARANIDHARAN S A** |
| **STUDENT ROLL Number** | **621319106016** |
| **MAXIMUM MARKS** | **2 MARKS** |

**CODE :**

**i**mport 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()