**ASSIGMNENT-III**

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| Assignment Date | 08 October 2022 |
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| Student Roll Number | 113119UG04067 |

**QUESTION:**

Write python code for blinking LED and traffic light for Raspberry pi.

**PYTHON CODE FOR BLINKING LED:**

import RPi.GPIO as GPIO

import time

LED = 40

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(LED, GPIO.OUT)

while True:

GPIO.output(LED,GPIO.HIGH)

time.sleep(1)

GPIO.output(LED,GPIO.LOW)

time.sleep(1)

**Python code for blinking led and traffic lights in raspberry pi**

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

button.wait\_for\_press()

buzzer.on()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()