

## Assignment 3

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Maximum Marks	2 Marks

### Smart Waste Management System for Metropolitan Cities

**TEAM ID: PNT2022TMID04344**

**IBM Nalaiya Thiran**

#### **Question 3:**

Write a python code for blinking LED and traffic light using raspberrypi.

#### **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(3)

        GPIO.output(11,False)

        time.sleep(3)

from gpiozero import Button, TrafficLights, Buzzer

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

    button.wait_for_press()
```

```
buzzer.on()  
light.green.on()  
sleep(3)  
lights.amber.on()  
sleep(3)  
lights.red.on()  
sleep(3)  
lights.off()  
buzzer.off()
```