Assignment 3

Student Name	Dhanush P
Student Roll Number	737819CSR030
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()
```