# Assignment -3

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| Project title | Smart Waste Management System for  Metropolitan Cit |
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**Question-1:**

Write a python code for blinking led and traffic lights for Raspberry pi.

# Solution:[BLINKING LED]

import RPi.GPIO as GPIO

#import RPi.GPIO module import time

LED = 40

#pin no. as per

BOARD

GPIO.setwarnings(False)

#disable warnings GPIO.setmode(GPIO.BOARD)

#set pin numbering

format

GPIO.setup(LED, GPIO.OUT)

#set GPIO as output while True:

GPIO.output(LED,GPIO.HIGH)

time.sleep(1)

GPIO.output(LED,GPIO.LOW)

time.sleep(1)

# Solution:[BLINKING TRAFFIC LIGHTS]

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()