

ASSIGNMENT 3

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Project Name	Smart Waste Management System for Metropolitan Cities.

Question:

Write python code for blinking LED and Traffic lights for Raspberry pi Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment

LED BLINKING CODE:

```
import RPI.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD) GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
```

TRAFFIC LIGHT CODE:

```
from gpiozero import LED from time import sleep
red = LED(22)
yellow = LED(27)
green = LED(17)
while True:
    red.on()
    sleep(15)
    red.off()
    sleep(1)
    yellow.on()
    sleep(10)
    yellow.off()
    sleep(1)
    green.on()
    sleep(10)
    green.off()
    sleep(1)
```