

ASSIGNMENT-3 PYTHON CODE FOR RASPBERRY PI

PROJECT:SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

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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)
```

