GAS LEAKAGE MONITORING AND ALERTING SYSTEM

Domain:IOT
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Assignment 3:
Write a python code for blinking LED and traffic lights for Raspberry pi. Onlypythoncodeis enough, noneedto executein raspberry pi.

Code for Blinking LED:
```
import RPi.GPIO as
GPIOimporttime
LED=40
GPIO.setwarnings(False)G
PIO.setmode(GPIO.BOAR
D)GPIO.setup(LED,GPIO.O
UT)
while
True:GPIO.output(LED,GPI
O.HIGH)
time.sleep(1)GPIO.output(
LED,GPIO.LOW)
time.sleep(1)
```

Code for Traffic Light System:
```
from gpiozero import Button, TrafficLights,
Buzzerfromtimeimportsleep
buzzer =
Buzzer(15)button=But
ton(21)
lights = TrafficLights(25, 8,
7)while
True:button.wait_for_pres
s()buzzer.on()
light.green.on()
sleep(1)lights.a
mber.on()sleep
(1)lights.red.on
()sleep(1)lights.
off()buzzer.off()
```