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. Only python code is enough, no need to execute in raspberry pi.

Code for Blinking LED:
```python
import RPi.GPIO as GPIO
import time
LED = 40
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED, GPIO.OUT)
while True:
GPIO.output(LED,GPIO.HIGH)
time.sleep(1)
GPIO.output(LED,GPIO.LOW)
time.sleep(1)
```

Code for Traffic Light System:
```python
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()
```