# IBM Assignment – 3

Project Title: Real- Time River Water Quality Monitoring and Control System

IBM GitHub Repo: IBM-EPBL/IBM-Project-29621-1660127790

#### Team Member:-

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### **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.

### Python code 1:

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()
```

## Python code 2:

```
import random
import time
while (1):
    a=random.randint (1,3)
    if (a>0):
        print ("traffic light is blinking ", a, "", "led is on")
        time.sleep(10)
        print ("traffic light is blinking ", a, "", "led is off")
        time.sleep (1)
```

## **Output:**

