# ASSIGNMENT -3

**PROJE** **Real-Time River Water Quality Monitoring and ControL System**

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- Traffic light from gpiozero import Button, TrafficLights, Buzzerfrom time import sleep

```
buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)


while True:

        button.wait_for_press()

        buzzer.on() lights.green.on()

        sleep(1) lights.amber.on()

        sleep(1)

        lights.red.on()

        sleep(1) lights.off()

        buzzer.off()
```

- blinking light

```
import RPi.GPIO as GPIOfrom

time import sleep
```

```python
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)
 sleep(1)
```