ASSIGNMENT 3

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Project Name: Real-Time River Water Monitoring and Control System

Python code for traffic lights: CODE:	Python code for blinking of LED light: CODE:
| ```python
from gpiozero import LED from
time import sleep
lights = TrafficLights(27, 5, 8)
while True:
light.green.on()
sleep(1)
lights.amber.on()
sleep(1)
lights.red.on()
sleep(1) lights.off()
``` | ```python
import RPi.GPIO as GPIO
import time
LED_PIN = 15
GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)
while true:
GPIO.output(LED_PIN, GPIO.HIGH)
time.sleep(1)
GPIO.output(LED_PIN, GPIO.LOW)
time.sleep(1)
GPIO.cleanup()
``` |