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Assignment 3:

Write python code for blinking LED and Traffic lights for Raspberry pi.

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

Note: you are allowed to use web search and complete the assignment.

Program:

```
gpiozero import Button, TrafficLights, Buzzer
mport RPi.GPIO as GPIO
import time
from time import sleep

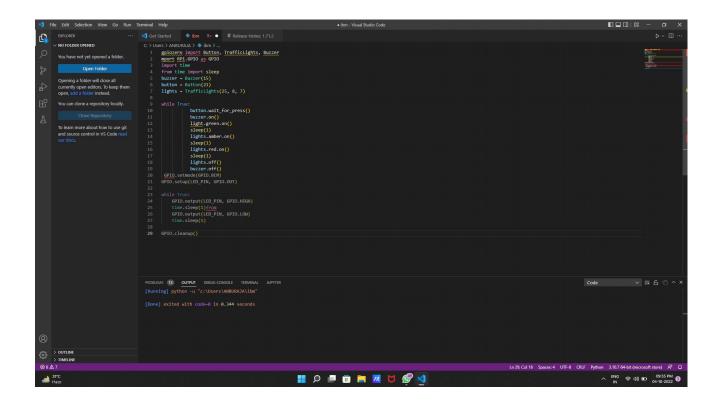
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

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()
 GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)
while True:
    GPIO.output(LED_PIN, GPIO.HIGH)
    time.sleep(1)from
    GPIO.output(LED_PIN, GPIO.LOW)
    time.sleep(1)
GPIO.cleanup()
Screenshot 1:
```



Sreenshot 2:

Program:

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Screenshot 3:

Output:

```
ROBLEMS ($) OUTHUT DEBUG COMSOLE TERMINAL JUPYTER

[Bunning] python -u "c:Users:\AMBURAJA\isb"

[Done] exited with code=0 in 0.344 seconds

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