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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.

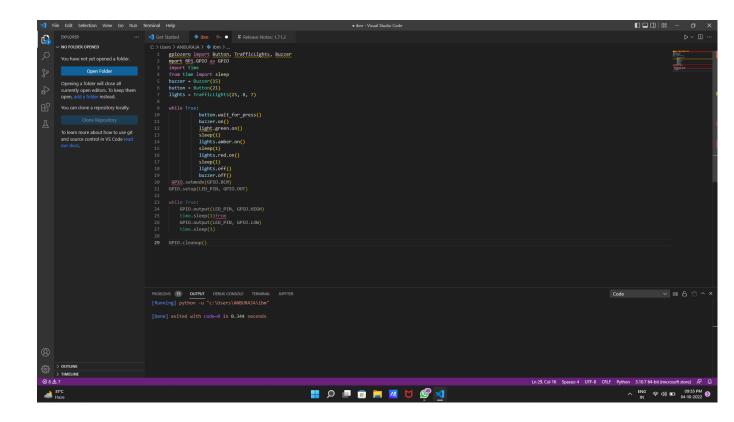
Program:

```
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:

```
while True:

button.valt_for_press()
button = Button(21)
lights = Traffictights(25, 8, 7)

while True:

button.valt_for_press()
button = sutton(21)
lights.green.on()
sleep(1)
lights.green.on()
```

Screenshot 3:

Output:

