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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)

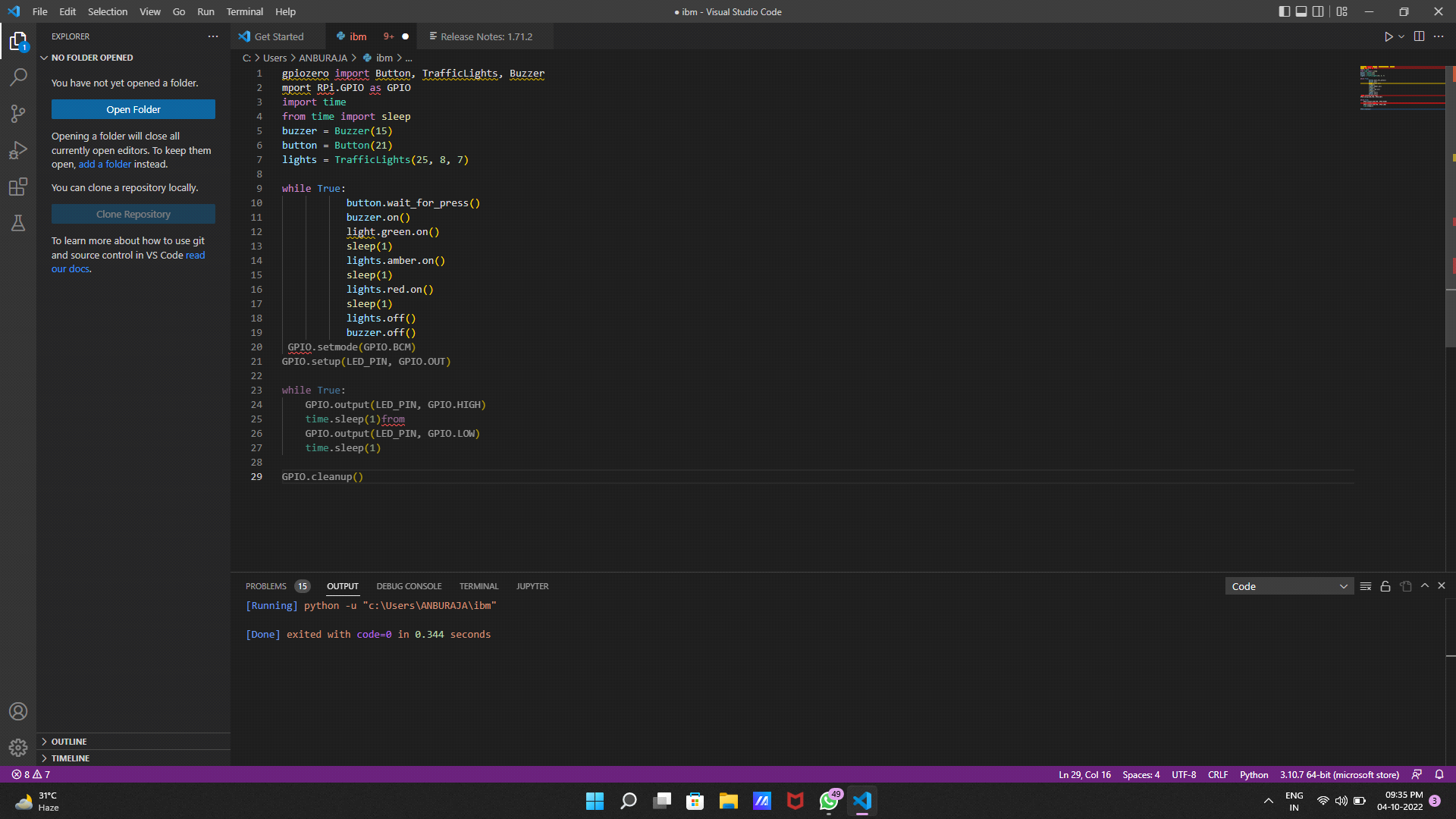
time.sleep(1)from

GPIO.output(LED\_PIN, GPIO.LOW)

time.sleep(1)

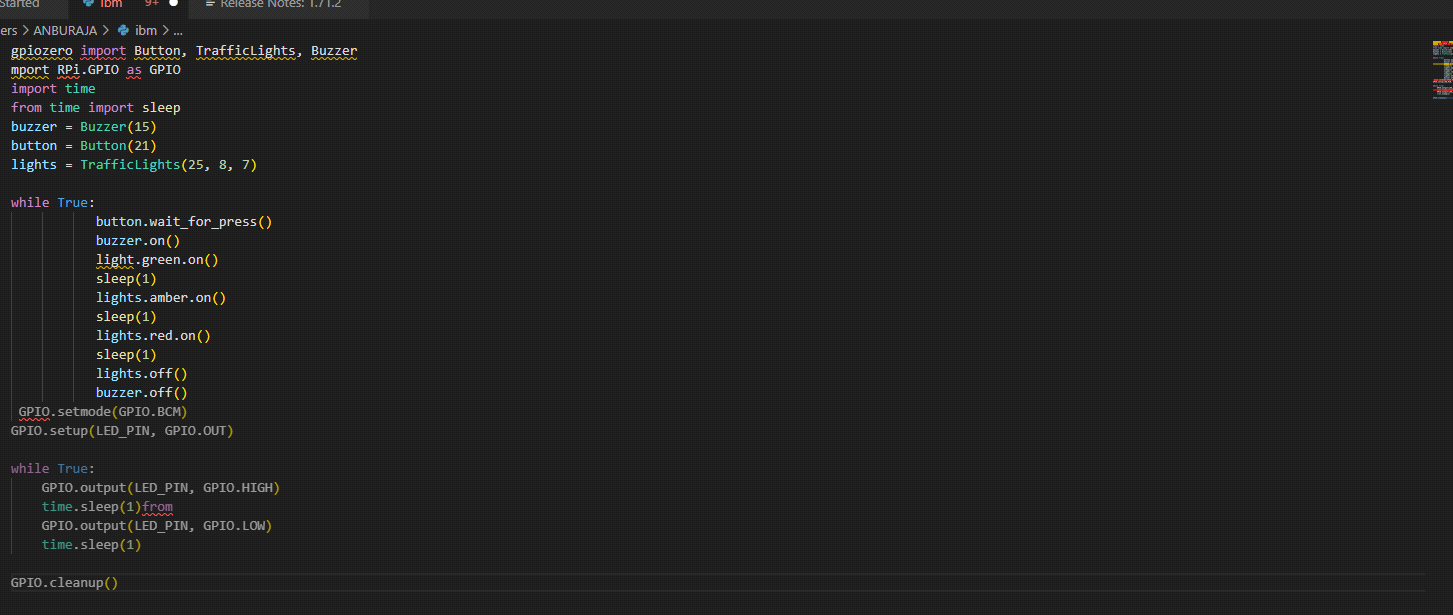
GPIO.cleanup()

Screenshot 1 :



Sreenshot 2 :

Program :



*Screenshot 3 :*

Output :

