CAPE INSTITUTE OF TECHNOLOGY

LEVINGIPURAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT-3

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THASHNI C

BLINKING LEO AND TRAFFIC LIGHTS

CODING:

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BOARD)

red=7
yellow=8
green=25

GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green, GPIO.OUT)
```

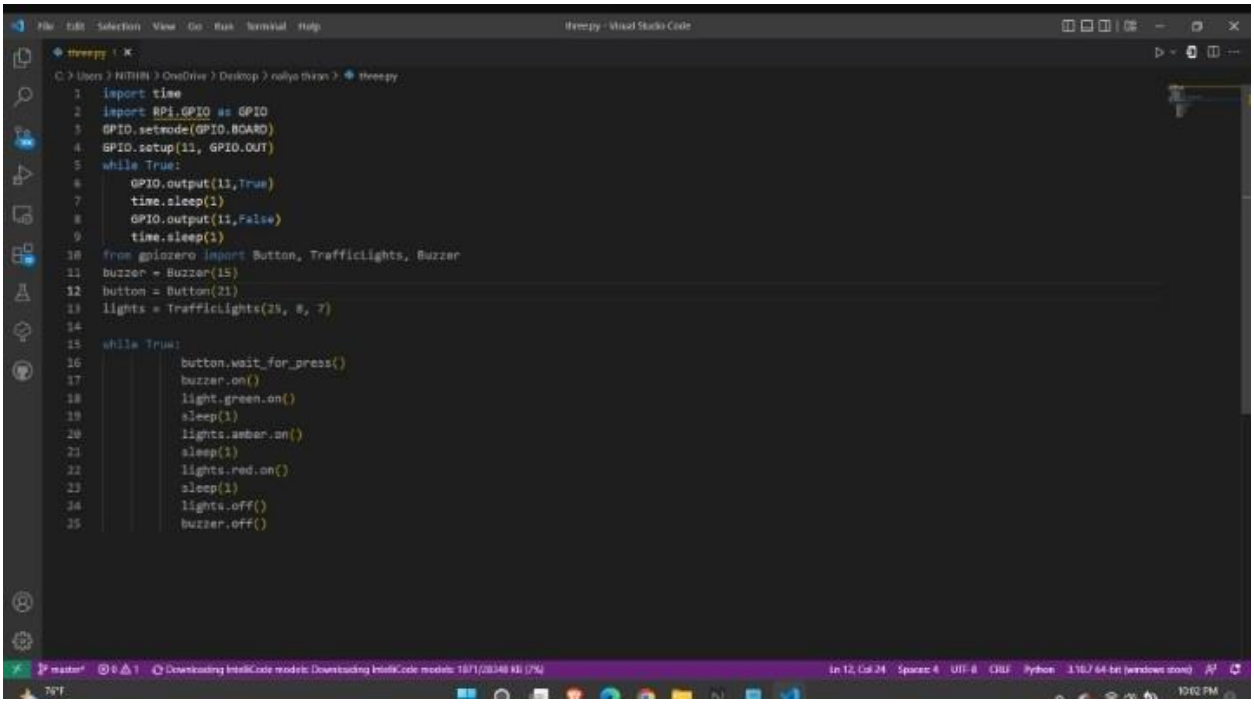
```
while True:
        GPIO.output(red, True)
        print("RED - ON")
        sleep(5)
        GPIO.output(red,False)

        GPIO.output(yellow, True)
        print("YELLOW - ON")
        sleep(1)
        GPIO.output(yellow,False)

        GPIO.output(green, True)
        print("GREEN - ON")
        sleep(3)
        GPIO.output(green,False)
GPIO.cleanup()
```

Footer

OUTPUT:


threepy - Visual Studio Code
C: > Users > NITHIN > OneDrive > Desktop > nallya thiran > threepy
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
GPIO.output(11,True)
time.sleep(1)
GPIO.output(11,False)
time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer
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()