Assignment-3
Python Programming

AssignmentDate	6October2022
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MaximumMarks	2Marks

Question:

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.

Code:

```
//CodeforBlinkingLED//

Import RPi.GPIO as
GPIOImporttime
LED=40
GPIO.setwarnings(False)GPI
O.setmode(GPIO.BOARD)GPI
O.setup(LED,GPIO.OUT)

WhileTrue:

    GPIO.output(LED,GPIO.HIGH)
    Time.sleep(1)GPIO.output(LE
    D,GPIO.LOW)
    Time.sleep(1)


//CodeforTrafficLightSystem//

From gpiozero import Button, TrafficLights,
BuzzerFromtimeimportsleep

Buzzer =
Buzzer(15)Button=Butto
n(21)
Lights=TrafficLights(25,8,7)

WhileTrue:
    Button.wait_for_press()
    Buzzer.on()Light.green.
    on()Sleep(1)Lights.amb
    er.on()Sleep(1)
    Lights.red.on()
    Sleep(1)Lights.
    off()Buzzer.off
    ()
```