Assignment -3

Python Programming

Assignment Date	1/10/2022
Student Name	Dhanya R
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Maximum Marks	2 Marks

Question:

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

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

Solution:

```
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()
```