Assignment -3
Python Programming for Raspberry pi

Assignment Date	11 October 2022
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Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED using Raspberry pi.

SOLUTION:

Import RPi.GPIO as GPIO

From time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8,GPIO.out, initial=GPIO.LOW)

while True:

       GPIO.output(8,GPIO.HIGH)

       sleep(1)

       GPIO.outpit(s,GPIO.LOW)

       sleep(1)

Question-2:

Write a python code for Traffic Lights using Raspberry pi.

SOLUTION:

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer=buzzer(15)

buzzer=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()
```