Assignment -3

Python
Programming

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Question-1:

Write a python code for led blinking in

raspberry pi SOLUTION:

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low (off)

while True: # Run forever

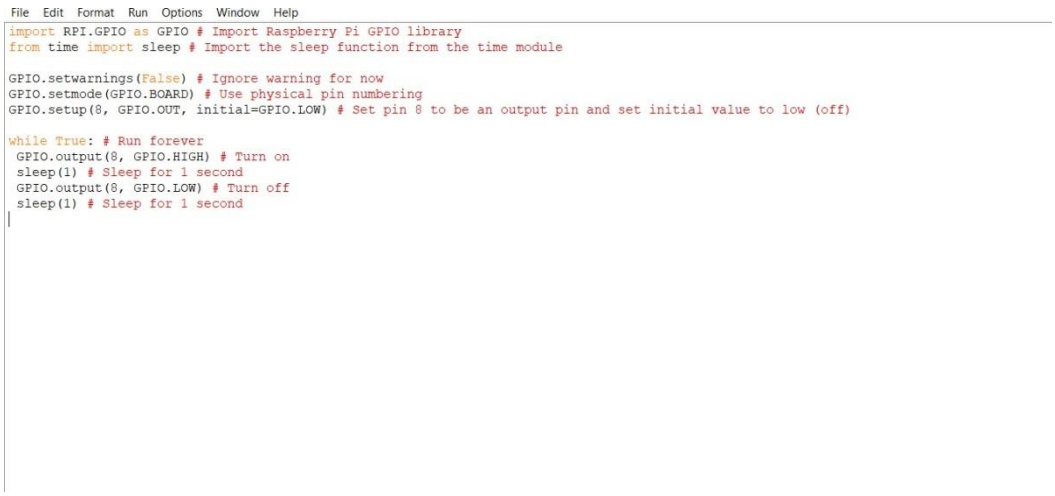
GPIO.output(8, GPIO.HIGH) #

Turn on sleep(1) # Sleep for 1

second GPIO.output(8,

GPIO.LOW) # Turn off sleep(1) #

Sleep for 1 second



Question-2:

Write a python code for traffic light in raspberry pi SOLUTION:

```
from gpiozero import Button, TrafficLights,
Buzzer 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()
```