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Assignment:3 Write python for blinking LED and Traffic light for Raspberry pi. Only python code is enough no need to execute in Raspberry pi.

//CODE FOR BLINKING LED//

```
Important RPi.GPIO as GPIO

Important time

LED=40

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(LED, GPIO. OUT)

while True:

    GPIO.output(LED,GPIO.HIGH)

     Time.sleep(1)

     GPIO.output(LED,GPIO.LOW)

     time.sleep(1)
```

//CODE FOR TRAFFIC LIGHT SYSTEM//

```
from gpio Zero import Button, Traffic Light, Buzzer

from time import sleep

buzzer =Buzzer(15)

button =Button(21)

light =Traffic Light(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()
```