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ASSIGNMENT 3

Write a python code for blinking LED and traffic lights for raspberry pi.

Code for Blinking LED :

```
import RPi.GPIO as GPIO

import 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 lights :

```
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()
```