ASSIGNMENT 3 : BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY Pi

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CODE:

```python
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()

                light.green.on()

                sleep(1)

                lights.amber.on()

                sleep(1)

                lights.red.on()

                sleep(1)

                lights.off()

                while True:

                        lights.on()

                        buzzer.off()

                        button.wait_for_press()
```

```python
lights.off()
buzzer.on()
button.wait_for_release()
while True:
        lights.blink()
        buzzer.beep()
        button.wait_for_press()
        lights.off()
        buzzer.off()
        button.wait_for_release()
```