PYTHON CODE FOR TRAFFIC LIGHTS USING RASPBERRYPI

1) Write a python code blinking a LED for Raspberry Pi.

Code:

```
import RPi.GPIO as GPIO  #Import Raspberry Pi GPIO library
from time import sleep  #Import the sleep function from the time module
GPIO.setwarnings(False)  #Ignore warning for now
GPIO.setmode(GPIO.BOARD)  #Use physical pin numbering
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)  #Set pin 8 to be an output pin and set initial value to low
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
```

2) Write a python code Traffic lights for Raspberry Pi**.**

Code:

```
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()
```