Write python code for blinking LED and traffic lights for Rasperry pi

Python code for blinking LED:

```
import RPi.GPIO as IO            # calling header file for GPIO’s
of PI
import time                              # calling for time to
provide delays in program
IO.setmode (IO.BOARD)       # programming the GPIO by BOARD pin
numbers, GPIO21 is called as PIN40
IO.setup(40,IO.OUT)             # initialize digital pin40 as an
output.
IO.output(40,1)                      # turn the LED on (making
the voltage level HIGH)
time.sleep(1)                         # sleep for a second
IO.cleanup()                         # turn the LED off (making
all the output pins LOW)
time.sleep(1)                         #sleep for a second
#loop is executed second time
IO.setmode (IO.BOARD)
IO.setup(40,IO.OUT)
IO.output(40,1)
time.sleep(1)
IO.cleanup()
time.sleep(1)
#loop is executed third time
IO.setmode (IO.BOARD)
IO.setup(40,IO.OUT)
IO.output(40,1)
time.sleep(1)
IO.cleanup()
time.sleep(1)
```

Python code for Trafficlight using Rasperry pi:

```
1. from gpiozero import Button, TrafficLights, Buzzer
2. from time import sleep
3.
4. buzzer = Buzzer(15)
5. button = Button(21)
6. lights = TrafficLights(25, 8, 7)
```

Write python code for blinking LED and traffic lights for Rasperry pi

```
7.
8. while True:
9.             button.wait_for_press()
10.              buzzer.on()
11.              light.green.on()
12.              sleep(1)
13.              lights.amber.on()
14.              sleep(1)
15.              lights.red.on()
16.              sleep(1)
17.              lights.off()
18.               buzzer.off()
```

OUTPUT

Run your Powershell coding (F5)