Assignment 3:
Write python code for blinking LED and Traffic lights for Raspberry pi.
Only python code is enough, no need to execute in raspberry pi.
Note: you are allowed to use web search and complete the assignment.

```python
import RPi.GPIO as GPIO
import time
import signal
import sys


# Setup
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)

# Turn off all lights when its end
def allLightsOff(signal, frame):
        GPIO.output(9, False)
        GPIO.output(10, False)
        GPIO.output(11, False)
        GPIO.cleanup()
        sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)


# Loop for led light
while True:
        # RED LIGHT
        GPIO.output(9, True)
        time.sleep(3)

        # RED AND YELLOW
        GPIO.output(10, True)
        time.sleep(1)

        # GREEN LIGHT
        GPIO.output(9, False)
        GPIO.output(10, False)
        GPIO.output(11, True)
        time.sleep(5)

        # YELLOW LIGHT
        GPIO.output(11, False)
        GPIO.output(10, True)
        time.sleep(2)

        #YELLOW OFF (red start from first loop)
```

```
GPIO.output(10, False)
```