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## Et-574 F2F4L

## Lab 12

## 12/4/2024

```
python hw
         EXPLORER
                          ... • lab12_1.py × • lab12_2.py • lab12_3.py
                                                                                          w_a_r.py
       ∨ PYTHON HW
        > __pycache__
        lab12_1.py
                                     3 filename= 'USPres.txt'
        lab12_2.py
        lab12_3.py
                                    5 def loop():
                                         with open(filename) as fi:

#enumerate() method is a built in python function that adds an index to an iterable
        ■ Presidents2.txt

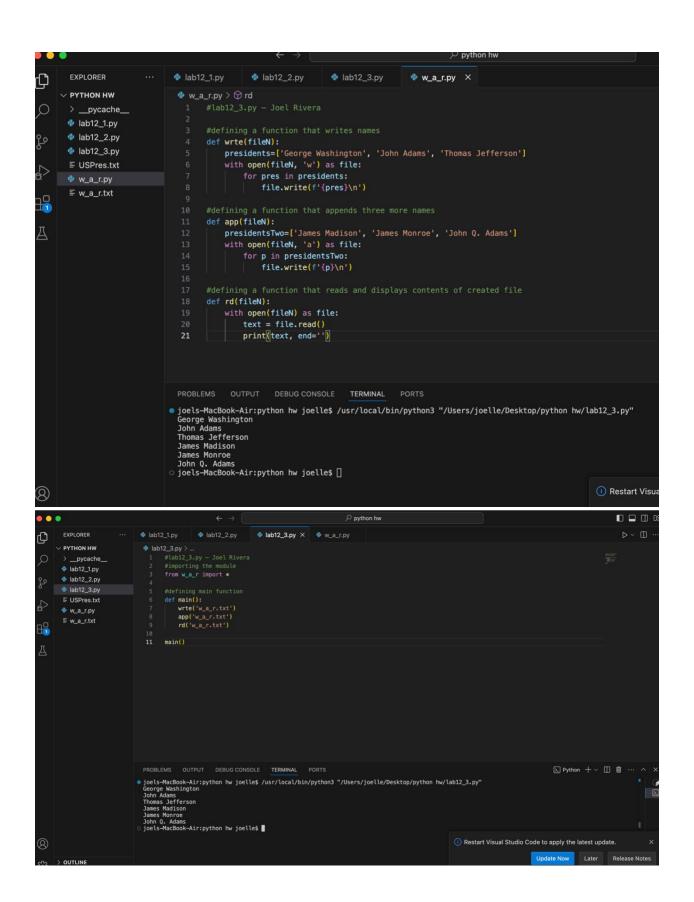
    □ Presidents3.txt

                                                 for i,e in enumerate(fi):
        w_a_r.py
                                                         print(e, end='')
         ≣ w_a_r.txt
                                         def lst():
                                            with open(filename) as f:
                                                 newList= f.readlines()
                                                 for items in newList[:3]:
    print(items, end='')
                                         loop()
                                         print()
                                         lst()
                                  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                 • joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joelle/Desktop/python hw/lab12_1.py"
George Washington
John Adams
Thomas Jefferson
                                  George Washington
John Adams
Thomas Jefferson
joels-MacBook-Air:python hw joelle$ []
 (2)
D
       EXPLORER
                              lab12_1.py
                                                w_a_r.py
     ∨ PYTHON HW
                                lab12_2.py > ...
Q
      > __pycache__
      lab12_1.py
                                      def presidentTwo(filename):
       lab12_3.py
                                          presidents = [

■ Presidents2.txt
                                               'George Washington', 'John Adams'
       # opening the file in write mode, if the file exist it is overwritten and if it
# doesnt exist, a new file will be created

    USPres.txt

      🕏 w_a_r.py
                                      with open(filename, 'w') as file:
#iterating through the list to write each item individually
       ≣ w_a_r.txt
                                             for president in presidents:
                                                   file.write(f'{president}\n')
                                       def presidentThree(fileN):
                                          pres= [
                                                'George Washington', 'John Adams', 'Thomas Jefferson'
                                             for p in pres:
    file.write(f'{p}\n')
                                      presidentTwo('Presidents2.txt')
                                       presidentThree('Presidents3.txt')
```



4. I faced two problems in this week's lab. The first came from the first question when I tried to use slicing to iterate through only the first 3 names in the file. I got an error that said slicing couldn't be performed on a file and after looking on stack overflow, I saw that I could use a method called enumerate(). This method adds and index to the iterable and I was able to use this method as well as an if statement to print out the desired names. The second issue came from the second problem and trying to figure out how to write to a file. After reviewing the PowerPoint and seeing that I needed to add 'w' inside of the open method I was able to create and write to the file.