

Lab 3 - Questions

Download the following books by right clicking on the links and using "Save As".

https://raw.githubusercontent.com/Univ-Wyo-Education/F21-1010/main/lab/lab-03/Anna-Karenia_by_Leo_Tolstoy.txt

https://raw.githubusercontent.com/Univ-Wyo-Education/F21-1010/main/lab/lab-03/Key-Out-of-Time_by_Andre-Norton.txt

https://raw.githubusercontent.com/Univ-Wyo-Education/F21-1010/main/lab/lab-03/Twenty-Thousand-Leagues-Under-The-Sea_by_Jules_Verne.txt

https://raw.githubusercontent.com/Univ-Wyo-Education/F21-1010/main/lab/lab-03/War-and-Peace_by_Leo_Tolstoy.txt

Use word count and run it on each of the books:

<https://github.com/Univ-Wyo-Education/F21-1010/blob/main/lab/lab-03/readNameList.py>

<https://github.com/Univ-Wyo-Education/F21-1010/blob/main/lab/lab-03/word-count.py>

Use the links above to go to the file, click on the *raw* button - cut and paste the program into a python file using your editor (vim or VSCode). Save the file and run it with each of the books. You will need to keep the name "readNameList.py" so that the import in the word_count.py can find the file. The automated test in readNameList.py uses: 2names.txt

To get this file:

<https://github.com/Univ-Wyo-Education/F21-1010/blob/main/lab/lab-03/2names.txt>

Then to run it:

```
$ python word_count.py
File Name
Key-Out-of-Time_by_Andre-Norton.txt
...
```

Use a pipe to output to a file and turn in the output from running your program. It is important to note that when you run it this way you will not get prompted for the file name! The prompt is sent to the file output.txt. Just type in the file name and then you should have the output.

```
$ python your-word-count.py >output.txt  
Key-Out-of-Time_by_Andre-Norton.txt
```

Turn in the python file for the lab.

Then write a markdown file and answer 2 questions.

1. (50pts) How many words are in each of the 4 books?

```
Anna-Karenina_by_Leo_Tolstoy.txt  
Key-Out-of-Time_by_Andre-Norton.txt  
Twenty-Thousand-Leagues-Under-The-Sea_by_Jules_Verne.txt  
War-and-Peace_by_Leo_Tolstoy.txt
```

2. (50pts) From this small sample, would you say that Russian novels are longer than novels by western authors like Jules Verne and Andre Norton?

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