12.10 LAB: Sorting TV Shows (dictionaries and lists)

Write a program that first reads in the name of an input file and then reads the input file using the file.readlines() method. The input file contains an unsorted list of number of seasons followed by the corresponding TV show. Your program should put the contents of the input file into a dictionary where the number of seasons are the keys, and a list of TV shows are the values (since multiple shows could have the same number of seasons).

Sort the dictionary by key (greatest to least) and output the results to a file named **output\_keys.txt**. Separate multiple TV shows associated with the same key with a semicolon (**;**), ordering by appearance in the input file. Next, sort the dictionary by values (in reverse alphabetical order), and output the results to a file named **output\_titles.txt**.

Ex: If the input is:

file1.txt

and the contents of file1.txt are:

20

Gunsmoke

30

The Simpsons

10

Will & Grace

14

Dallas

20

Law & Order

12

Murder, She Wrote

the file output\_keys.txt should contain:

30: The Simpsons

20: Gunsmoke; Law & Order

14: Dallas

12: Murder, She Wrote

10: Will & Grace

and the file output\_titles.txt should contain:

Will & Grace

The Simpsons

Murder, She Wrote

Law & Order

Gunsmoke

Dallas

Note: End each output file with a newline, and **file1.txt** is available to download.



# Type your code here