

02 Text files, Streams, Open Source and Software Management

1. Display `shakespeare.txt` file in a way that is convenient for reading (shows one page at a time). Do not use `gedit`.
2. Display first 20 lines from `sherlock.txt` file.
3. How many words are used in `sherlock.txt` file? How many lines does it take?
4. Print all lines which contain word 'castle' in `shakespeare.txt` **or** `sherlock.txt` file. Can you count those lines? (hint: you need to use pipe)
5. Print all lines which contain word 'castle' in `shakespeare.txt` file but do not contain the word 'the'.
 - a. Can you make that search case insensitive (it means that words can contain capital letters)?
 - b. Save lines in `castle-lines.txt` file
6. Print last 30 lines from `sherlock.txt` sorted in reverse alphabetical order (from z to a).
7. File `random.txt` contains 100 random numbers from 1 to 1000. Display numbers from the file in ascending order.
8. File `marvel.txt` contains some information about characters from marvel series.
 - a. Have a look at the first line of the file. What type of information is available?
 - b. Display only names of the characters.
 - c. Display all information about characters except information about hair.
 - d. Display information from c) but the output information should be delimited (separated) with character '|' instead of ','
9. Find location of the `passwd` file.
10. Based on the `passwd` file found in the previous exercises:
 - a. Display the line that contains your login.
 - b. What is the number of the line that contains your login.