

Day 3: Sort Command #1

Objective

In this challenge, we practice using the *sort* command to sort input in text or TSV formats.

Resources

Here's a useful video on the topic:

The *sort* command is frequently used for sorting input in text or TSV formats in various different ways. These ways may be either lexicographical, case insensitive, based on the numeric field only, based on a particular column, etc.

Sort Options

- The vanilla *sort* command simply sorts the lines of the input file in lexicographical order.
- The **-n** option sorts the file on the basis of the numeric fields available if the first word or column in the file is a number.
- The **-r** option reverses the sorting order to either the reverse of the usual lexicographical ordering or descending order while sorting in numerical mode.
- The **-k** option is useful while sorting a table of data (tsv, csv etc.) based on a specified column (or columns).
- The **-t** option is used while specifying a delimiter in a particular file where columns are separated by tabs, spaces, pipes etc.

A few useful resources to study different variants as well as working examples of the *sort* command are:

[A Wikipedia entry for the 'sort' command](#)

[How to Sort Files in Linux using Sort Command](#)

Task

Given a text file, order the lines in lexicographical order.

Input Format

A text file.

Output Format

Output the text file with the lines reordered in lexicographical order.

Sample Input

Dr. Rajendra Prasad	January 26, 1950	May 13, 1962
Dr. S. Radhakrishnan	May 13, 1962	May 13, 1967
Dr. Zakir Hussain	May 13, 1967	August 24, 1969
Shri Varahagiri Venkata Giri	August 24, 1969	August 24, 1974
Shri Fakhruddin Ali Ahmed	August 24, 1974	February 11, 1977
Shri Neelam Sanjiva Reddy	July 25, 1977	July 25, 198

Sample Output

Dr. Rajendra Prasad	January 26, 1950	May 13, 1962
Dr. S. Radhakrishnan	May 13, 1962	May 13, 1967
Dr. Zakir Hussain	May 13, 1967	August 24, 1969
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