

PF Lab 7: File Handling/new operator

Q1. An input file contains the data in the following format:

- a. Create a function in C++ to read the data line by line and count the total lines in the file.
- b. Create a Function to display the count of total lines.

Sample Input.txt

Pakistan, populous multiethnic country of South Asia. Having a predominately Indo-Iranian speaking population, Pakistan has historically and culturally been associated with its neighbors Iran, Afghanistan, and India.

Sample Output:

Total lines in the file are 3.

Q2. An input file contains the data in the following format:

- a. Create a function in C++ to read the data char by char and count the total characters in the file.
- b. Create a Function to display the count of total characters.

Note space itself is a char /as well as commas and full stop.

Sample Input.txt

Pakistan, populous multiethnic country of South Asia. Having a predominately Indo-Iranian speaking population, Pakistan has historically and culturally been associated with its neighbors Iran, Afghanistan, and India.

Sample Output:

Total characters in the file are 217

Q3. An input file contains the data in the following format:

- a. Create a function in C++ to read the data word by word and search a word (input by user) by matching the word read with the word received in parameter. The function should return 1 if the desired word found else return -1.
- b. Create a Function to search the desired word from the file.

Sample Input.txt

Pakistan, populous multiethnic country of South Asia. Having a predominately Indo-Iranian speaking population, Pakistan has historically and culturally been associated with its neighbors Iran, Afghanistan, and India.

Sample Run 1:

Input word to search: population

The word population exist in the input file.

Sample Run 2:

Input word to search: Europe

The word Europe doesn't exist in the input file.

Q4. An input file contains the data in the following format:

- a. Create a function in C++ to read the values in integer array of dynamic size (where size will be entered by user).**
- b. Create a Function to display array of any size.**
- c. Create a function to sort only odd index values in array in ascending order**
- d. Create a function to write the output of part c in the output file out.txt.**

Input.txt

100,67,98,43,12,90,54,12,67,11,89

Sample Run 1:

Input size : 11

Values Read: 100 67 98 43 12 90 54 12 67 11 89

Values after sorting: 100 98 12 90 54 12 67 43 67 11 89