

Purpose: Introduction to filing. Reading and writing simple text files.

Problem 1: The file named fact_data.txt contains integers in each line. Write a program that reads each integer and then finds and displays the factorial of that integer as well as write it in a file named fact_out.txt in a new line. Factorial should be found using a function named factorial.

Problem 2: The file named employee_data.txt contains 2 pieces of information in each line: name of an employee followed by a comma, and the salary earned each month by that employee. Using this information, create another file, employee_annum_data.txt that contains name of an employee and the salary earned at the end of each year by that employee in each line. Create a function named calcAnnumSalary whose parameter is the salary and return value is annual salary.

Problem 3: The file named char_data.txt contains alphabets with mixed cases. Read in all these alphabets and display the count of each alphabet at the end of the program. Computation should be done using a function named updateLetterCount whose parameters are an integer array of size 52 and a character. The first 26 elements of the array hold counts for lower case alphabets and the rest contain count for the upper case alphabets. Also write the result in a file named p3_result.txt

Problem 4: The file named string_data.txt contains a string in each line (may contain spaces). Read each string into a character array of size 60. Reverse each string using a function named revString, whose only parameter is a character array, and write it to a new line in a file named rev_strings.txt along with the length of that string.

fact_data.txt

5
8
12
9
1
3
6
15

employee_data.txt

Ahmed Rafique, 125.966
Zain Marghoob, 558.124
Saima Mumtaz, 981.000
Ghulam Shabir, 888.888
Arifa Siddiqui, 15.213

char_data.txt

AljusJrVCeHStHHTZwDtLMugArKacclSqsAwtoEyEWgyRcKyHAzGqxFNTtqkFrgYyTFmPzEX
NpWCTzjLNeQJPjfkDXvuXfOLrqNM

string_data.txt

I live in Pakistan.

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Introduction to Computer Sciences - Lab # 12

This lab is on filing operations in C++

fstream is another library

This lab is too easy..