

## Lab 13 Tasks

**Q1.** Copy the file named “Q1.txt” from the FTP to your PC. You have to find out the number of words on that text file. A “word” is defined as a consecutive sequence of letters (upper and/or lower case). Your program should output total number of words.

**Q2.** Create two separate files. Continue taking strings as input from the user and writing them in the first file. Each input string should be written in separate lines in the file. Stop taking input for the first if an empty string is given as input. Now do the same thing for the second file. Compare the two files and print in the console whether they are identical or not.

**Q3.** Copy the file named “Q3.txt” from the FTP to your PC. Count and then print the number of vowels and consonants in the file.

**Q4.** Create a double type array and put 10 random values in the array. Now write the same array in three separate files in binary mode. For the first file, iterate through the array using a loop and write each of the elements of the array in the file. For the second file, write the entire array in the file using a single fwrite() statement. Use the size of the entire array as the second parameter of the function. For the third file, again write the array using a single fwrite() statement. However, in this case use the size of a single element of the array as the second parameter. Now read and print the contents of the three files in the console in a similar manner.

**Q5.** Group reversing a string means reversing a string by groups. For example, consider a string:

**“TOBENUMBERONEWEMEETAGAINANDAGAINUNDERBLUEICPCSKY”**

This string has length 48. We have divided into 8 groups of equal lengths and so the length of each group is 6. Now we can reverse each of these eight groups to get a new string:

**“UNEBOTNOREBMEEMEWENIAGATAGADNAEDNUNIIULBRYKSCPC”**

Given the string and number of groups in it, your program will have to group reverse it.

### Input

The input file contains at most 101 lines of inputs. Each line contains an integer G (G<10) which denotes the number of groups followed by a string whose length is a multiple of G. The length of the string is not greater than 100. The string contains only alpha numerals. Input is terminated by a line containing a single zero.

### Output

For each line of input produce one line of output which contains the group reversed string.

Input	Output
3 ABCEHSHSH	CBASHEHSH
5 FA0ETASINAHGRI0NATWON0QA0NARIO	ATE0AFGHANISTANOIRAQ0NOW0IRANO
0	