

1. Write a Java Program that reverses a given string.
2. Write a Java Program to order the strings. Suppose if the strings in an array are "Delhi", "Calicut", "Goa", "Agra". The output should be "Agra", "Calicut", "Delhi" "Goa".
3. Design and implement the following;

Write a C++ program to read and write student objects with fixed length records and the fields delimited by "|". Implement pack (),unpack (), modify () and search () methods.

You are supposed to store information of many students in a file on the hard disk. For each student, we get (from the user) and store his name, Roll number, Branch and marks in 3 tests. Once we create such a data file, we are supposed to display its contents and be able to search in the file for a particular student's information based on his Roll number.

pack() - function should write the student object into a file.

Unpack()- function should read student object from the file and display the information of the student.

Modify()- function should modify the information of a student based on his Roll number.

Search()-function should search and display the student information based on the given Roll Number, otherwise the suitable message.

Suppose say two students with following details:

Ajay, 1111, CSE, 21, 22, 23 and Amay, 2222, ECE, 31,32,33

In the file, you should store them as
Ajay|1111|CSE|21|22|23#Amay|2222|ECE|31|32|33#

Note: You may use your own way of storing the data of the file. The above is one way.

Write a Java program to count the number of objects created for a class using static 4. member function.

5.
Write a program to identify the accessibility of a variable by means of different access specifiers within and outside package
6. Write a Java program for sorting a given list of names in ascending order.