MIRACLE SOFTWARE SYSTEMS, INC.

Exercises

1. Program to delete given character from given string.

2. Program to print number of words and characters in a given string.

3. Program to reverse the string without using predefined function for reverse.

4. Program to convert first letter of each word into uppercase in a given string.

5. Program to implement user-defined function to compare two strings.

6. Program to find length of the string without using predefined function for finding length.

7. Program to print string

   a. in alphabetical order
   b. in reverse alphabetical order

8. Program to eliminate special characters and numbers other than [a, A---z, Z].

9. Program to print the names who started with the given array of strings.

10. Program to count the number of vowels and consonants in a given string.

11. Program to print the occurrences of each character in a given string.

12. Program to replace each word's first letter with its previous character in a given sentence?

13. Create a class called Employee whose objects are records for an employee. This class will be a derived class of the class Person which you will have to copy into a file of your own and compile. An employee record has an employee's name (inherited from the class Person), an annual salary represented as a single value of type double, a year the employee started work as a single value of type int and a national insurance number, which is a value of type String.

14. WAJP to create an abstract class named Shape, that contains an empty method named numberOfSidesO. Provide three classes named Trapezoid, Triangle andHexagon, such that each one of the classes contains only the method numberOfSldesQ, that contains the numberof sides in the given geometrical figure.

15. Program to complete the below tasks
    a. Create a package named mes.shapes.
    b. Create some classes in the package representing some common geometric shapes like Square, Triangle, Circle and so on.
    c. Finally compile the package as discussed in this chapter.
    d. Create the class to use some of the above package classes