Lab-5

Topic: Friend functions, default arguments

i. WAP to swap private data member of two classes. [The classes have no relation with each other].

ii. Create two classes which stores distance in feet, inches and meter, centimeter format respectively. Write a function which compares distance in object of these classes and displays the larger one.

iii. Create a class which stores name, roll number and total marks for a student. Input data for n students. Find the average marks scored by n students, store it as a data member of the class and display it using a function which may be called without object.

iv. Create a class which stores name, author and price of a book. Store information for n number of books. Display information of all the books in a given price range using friend function.

v. WAP which displays a given character, n number of times, using a function. When the n value is not provided, it should print the given character 80 times. When both the character and n value is not provided, it should print '*' character 80 times.
[Write the above program in two ways:-
-using function overloading.
-using default arguments.]