1. Define a class bank account, which includes name of the depositor, Account Number, Type of the account and Balance amount in the account. You need functions to set the initial values, to deposit an amount, withdraw amount after checking balance and finally display name, account number with updated balance. Write a menu driven C++ program.
2. Write a program to print the area of a rectangle by creating a class named 'Area' taking the values of its length and breadth as parameters of its constructor and having a function named 'returnArea' which returns the area of the rectangle. Length and breadth of the rectangle are entered through keyboard.
3. Write a program by creating an 'Employee' class having the following functions and print the final salary.  
   1 - 'getInfo()' which takes the salary, number of hours of work per day of employee as parameters  
   2 - 'AddSal()' which adds $10 to the salary of the employee if it is less than $500.  
   3 - 'AddWork()' which adds $5 to the salary of the employee if the number of hours of work per day is more than 6 hours.
4. Write a function to perform insertion sort. Trace the function to sort the numbers 66, 7, 53, 100, 8, 19
5. Write a function to print duplicate characters along with its frequency in a user entered string.

Examples:

List of duplicate characters in String 'Programming' g : 2 r : 2 m : 2

List of duplicate characters in String 'Combination' n : 2, o : 2, i : 2

List of duplicate characters in String 'Java': a: 2