Programming in Java (TCS 408)

Assignment (Unit-1 & Unit-2)

1. Why is Java called a "Portable" and "Robust" language?

2. Describe any 5 methods related to String/StringBuffer classes each.

3. Explain the concept of autoboxing and auto unboxing with the help of a java code.

4. List the various java buzzwords with examples.

5. Explain the various usages of super, static and final keywords in Java?

6. Implement a java program that reads 10 lines containing the number of votes and name in a string array. Program prints the list of candidates in descending order of the number of votes received.

7. Write a Java program to create a class called ArrayTest with the following members:
   Data Member
   String A[ ]

   Methods Members
   void input() method to input value into an array A[ ]
   void sort() method to sort the values of an array A[ ]

   In main method create object of class ArrayTest and perform the above task.

8. Implement the concept of abstract class and abstract method with an example.

9. Explain the concept of Interface with the help of suitable example.

10. List different types of inheritance in java with the help of proper java code with proper access mechanism.

11. List the difference between method overloading and overriding.

12. Define packages in java. List the advantages of using packages?

13. Write syntax to create your own package in java and write the mechanism to access the content of your package from another package.