**Assignment 7**

1. Create a class which uses a LinkedList object to store 10 names (String). Use various methods of the LinkedList class to manipulate the data.

Display the data on console using:

* 1. Iterator
  2. ListIterator
  3. Enhanced for loop

1. Create a class with main method to store and manipulate 10 state capitals of India (String value) in a HashSet Object. Add Duplicate value and print the contents of the set. Use operations to
   1. Search a name of a Capital
   2. Delete one entry
   3. Print Contents using Iterator and enhanced for loop
2. Use SortedSet for the problem (2)
3. Create a BankCustomer class with:
   1. customerId
   2. name
   3. address
   4. accountBalance

Create a program to store 10 Customer Objects in a HashMap. Do the following:

1. Search a customer with customerId
2. Add a new Customer if it does not exist
3. Print the details of all those customers who has balance of certain amount (you decide)
4. Use a Comparator to sort the entries in problem No (1)

6. Write a program which reads the student objects from a file into ArrayList and sort them based on

1)rno 2)marks

Use Comparator for marks and use Comparable for rno;