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Objective:

To use ADTs and algorithms from Java Collections Framework

1. Write a program to perform string operations using ArrayList. Write functions for the following
 - a. Append - add at end
 - b. Insert – add at particular index
 - c. Find the index of a particular element (Search)
 - d. Display the list
 - e. List all string starts with given letter
 - f. List of all string contains the Substring
 - g. Sort the elements in ArrayList
 - h. Remove a particular element
 - i. Replace one string with another string in ArrayList
 - j. Remove duplicate elements
2. Write a program to get two integer ArrayList. Perform the following operations
 - a. Merge the two lists
 - b. Find Union of two lists
 - c. Find Intersection of two lists
 - d. Compare two lists
3. Using Collection framework, create a doubly linked list of integers and perform the following operations.
 - a. Insert element on both sides
 - b. Delete element on both sides
 - c. Insert an element at a particular position
 - d. Delete a particular element
 - e. Search for a particular element
 - f. Display list in forward order and backward order
 - g. Sort the elements in LinkedList
 - h. Replace one element in the list with another list
 - i. Remove duplicate elements

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