**ArrayList Exercises:**

**Exercise 1: Creating and Modifying ArrayList**

**Create an ArrayList of integers and perform the following operations:**

**Add the numbers 1 to 5 to the ArrayList.**

**Insert the number 6 at the beginning of the ArrayList.**

**Add the number 7 at the end of the ArrayList.**

**Replace the number at index 3 with 8.**

**Remove the number 2 from the ArrayList.**

**Exercise 2: Iterating through an ArrayList**

**Create an ArrayList of strings and iterate through it using a for-each loop to print each element.**

**Exercise 3: Searching and Removing Elements**

**Create an ArrayList of names and perform the following operations:**

**Check if "John" is in the list and print whether it's found.**

**Remove "Alice" from the list if it exists.**

**Exercise 1:**

**Create an ArrayList and add elements to it**.

**Exercise 2:**

**Access an element at a specific index in an ArrayList.**

**Exercise 3:**

**Remove an element from an ArrayList using index.**

**Exercise 4:**

**Check if an element exists in an ArrayList.**

**Exercise 5:**

**Find the size of an ArrayList**.

**Exercise 6:**

**Replace an element at a specific index in an ArrayList.**

**Exercise 7:**

**Remove all elements from an ArrayList.**

**Exercise 8:**

**Loop through an ArrayList using a for-each loop.**

**LinkedList Exercises:**

**Exercise 9:**

**Create a LinkedList and add elements to it.**

**Exercise 10:**

**Access an element at a specific index in a LinkedList.**

**Exercise 11:**

**Remove an element from a LinkedList using index.**

**Exercise 12:**

**Check if an element exists in a LinkedList.**

**Exercise 13:**

**Find the size of a LinkedList.**

**Exercise 14:**

**Replace an element at a specific index in a LinkedList.**

**Exercise 15:**

**Remove all elements from a LinkedList.**

**Exercise 16:**

**Loop through a LinkedList using an iterator.**

**ArrayList Exercises:**

**Exercise 17:**

**Write a program to find the index of the first occurrence of a specific element in an ArrayList.**

**Exercise 18:**

**Write a program to sort an ArrayList of integers in ascending order.**

**LinkedList Exercises:**

**Exercise 19:**

**Write a program to add an element at the beginning of a LinkedList.**

**Exercise 20:**

**Write a program to reverse the order of elements in a LinkedList.**

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**Exercise 21:**

**Write a program to find and remove the last element from a LinkedList.**

**Exercise 22:**

**Write a program to clone a LinkedList into another LinkedList.**

**Exercise 23:**

**Write a program to find the first and last occurrence of a specific element in a LinkedList.**

**Exercise 24:**

**Write a program to shuffle the elements of a LinkedList.**

**Exercise 25:**

**Write a program to check if a LinkedList is empty.**

**ArrayList Exercises:**

**Exercise 26:**

**Write a program to remove duplicates from an ArrayList.**

**Exercise 27:**

**Write a program to find the largest element in an ArrayList of integers.**

**LinkedList Exercises:**

**Exercise 28:**

**Write a program to add elements from another collection at the end of a LinkedList.**

**Exercise 29:**

**Write a program to find the sum of all elements in a LinkedList of integers.**

**Exercise 30:**

**Write a program to sort a LinkedList of strings in alphabetical order.**

**Exercise 31:**

**Write a program to concatenate two LinkedLists.**

**Exercise 32:**

**Write a program to remove all occurrences of a specific element from a LinkedList.**

**Exercise 33:**

**Write a program to get a sublist from a LinkedList.**

**Exercise 34:**

**Write a program to reverse the elements of a LinkedList.**

**Exercise 35:**

**Write a program to check if two LinkedLists are equal.**

**ArrayList Exercises:**

**Exercise 36:**

**Write a program to find the frequency of a specific element in an ArrayList.**

**Exercise 37:**

**Write a program to copy the elements of one ArrayList to another.**

**LinkedList Exercises:**

**Exercise 38:**

**Write a program to find the middle element of a LinkedList.**

**Exercise 39:**

**Write a program to remove the first and last elements from a LinkedList**.

**Exercise 40:**

**Write a program to find the maximum and minimum elements in a LinkedList.**

**Exercise 41:**

**Write a program to convert a LinkedList to an array.**

**Exercise 42:**

**Write a program to find the occurrence of a specific element in a LinkedList.**

**Exercise 43:**

**Write a program to swap two elements in a LinkedList.**

**Exercise 44:**

**Write a program to clear all elements from a LinkedList except the first and last elements.**