

Arrays Programs

Traversing :

- ✓ 1. WAP to print all the elements of 1-D, 2-D, 3-D & 4-D arrays.
(Also 4 ways to traverse the elements)

Sorting :

- ✓ 1. Sorting of an array in increasing or decreasing order using :
 - 1.1 Bubble Sort (Today's Topic)
 - 1.2 Selection Sort
 - 1.3 Insertion Sort
 - 1.4 Merge Sort
 - 1.5 Quick Sort
 - 1.6 Heap Sort
- 2. Write a Java program to sort a string array.

Arrays Programs

Searching :

1. WAP to test if an array contains a specific value using :
 - 1.1 Linear/Sequential Search.
 - 1.2 Binary Search
2. WAP to find the maximum and minimum value in an array.
3. WAP to find the second largest and smallest element in an array.
4. WAP to find kth smallest and largest element in an array.
5. WAP to find the duplicate values of an array of integer values.
6. WAP to find the duplicate values of an array of string values.

Arrays Programs

Searching :

7. WAP to find the first duplicate or repeating element in an integer array.
8. There is an array with every element repeated twice except one.
Find that element?
9. WAP to find the number of even and odd integers in a given array of integers.
10. WAP to find the missing number in integer array of 1 to 10?
11. WAP to find the duplicate elements between two arrays (integer values).
12. WAP to find the duplicate elements between two arrays (string values).

Arrays Programs

Searching :

13. WAP to find duplicate elements from three sorted arrays.
14. WAP to find length of longest consecutive sequence in array of integers.
15. How to find sub array with maximum sum in an array of positive and negative number?

Insertion :

1. WAP to insert an element (specific position) into an array.

Arrays Programs

Deletion :

1. WAP to remove a specific element from an array.
2. Write a Java program to remove duplicate elements from an array and then return the new length of the array.

For ex : Sample array: [20, 20, 30, 40, 50, 50, 50]

After removing the duplicate elements the program should return 4 as the new length of the array.

Merging :

1. WAP to merge the elements of two arrays in one array.

Arrays Programs

Others :

1. WAP to sum values of an array.
2. WAP to find the index of an array element.
3. WAP to copy an array by iterating the array.
4. WAP to add two matrices of the same size.
5. WAP to check if an array of integers without 0 and -1.
6. WAP to check if two arrays are equal or not.
7. WAP to convert an array to ArrayList.
8. WAP to convert an ArrayList to an array.