1. WAP to find 2nd max value in an array [20, 0, 31, 45, 100, 1, 105, 90]

2. WAP to find 2nd min value in an array [-20, 0, -25, 15, 19, 37, 23]

3. WAP to print the array in reverse order. E.g. arr[] = [3, 90, 45, 29, 37, 78] so your output must be 78, 37, 29, 45, 90, 3

4. WAP to reverse the array itself, don't print array in reverse – I want current array reverse. Means e.g. arr[] = [3, 90, 45, 29, 37, 78] so your same array must be [78, 37, 29, 45, 90, 3] by using temporary array.

5. WAP to reverse the array itself, don't print array in reverse – I want current array reverse. Means e.g. arr[] = [3, 90, 45, 29, 37, 78] so your same array must be [78, 37, 29, 45, 90, 3] without using temporary array.

6. Write a Java program to find the duplicate values of an array of integer values. Means e.g. arr[] = [3, 10, 90, 78, 56, 10, 78, 34, 61], so duplicates are 10 and 78.

7. Write a Java program to find the common elements between two arrays (int values) Means e.g. arr1[] = [12, 23, 34, 67 ,78, 91, 56] and arr2[] = [39, 25, 15, 23, 55, 91, 66, 22], so common between two arrays are 23 and 91

8. WAP to swap array like input array is [2, 4, 9, 0], so your output array must be [9, 0, 2, 4]

9. Write a Java program to test the equality of two arrays. Means e.g arr1[] = [12, 22, 32, 42, 52, 62] and arr2[] = [52, 22, 62, 12, 42, 22]
Here both arrays are equal

10. Write a Java program to find a missing number in an array. Means e.g. array has 1 to n element in sequence(n can be 50 or 100) arr[] = [1, 2, 3, 4, 6, 7] So missing no is 5

11. WAP to calculate average of all elements in an Array except max and min element (Means don't include the highest and lowest number of your array in your average).

12. WAP to replace all the 0's with 1's in your array. Your array is [26, 0, 67, 45, 0, 78, 54, 34, 10, 0, 34]

13. WAP to replace all negative value with its immediate left elements square. Means
arr[] = [12, 3, -19, 29, 5, -61, 44, 7, -9]
Output array will be [12, 3, 9, 29, 5, 25, 44, 7, 49].

14. WAP to check if an array of integers contains two specified elements 65 and 77.

15. WAP to arrange the elements of an given array of integers where all negative integers appear before all the positive integers.

16. WAP to arrange the elements of an given array of integers where all Even integers appear before all the Odd integers.

17. WAP to find min character in character array. Means e.g. arr[] = ['A', 'D', 'E', 'x', 'z', 'R'], so min character is 'A'.

18. WAP to find max character in character array. Means e.g. arr[] = ['A', 'D', 'E', 'x', 'R', 'Z', 'p'], so max character is 'x'.

19. WAP to print the employees from Employee[] array who has same salary (Create Employee class which has 3 attributes id, name, salary and add employee objects to your array)

20. Accept number from user and add table of number in array and display

21. WAP to display all square number in array. Means e.g. arr[] = [23, 43, 25, 49, 12, 9, 78, 66, 39, 0] so output is 25, 49, 9.

22. WAP to print the employees from Employee[] array who has same joining date. You have Employee class which has 4 attributes id, name, salary, date (date is another object which has 3 attributes day, month, year) and add employee objects to your array

23. Create class Dept(did, dname), class MyDate(day, month, year)

Class Employee(emp_id, emp_name, salary, date(object), dept(object)). Create array of Employee and display the array elements.

24. Same as above but print Employees whose dept_name is same.

25. WAP to print maximum in rows. Means e.g. arr[][] = {{22, 31, 9}, {12, 25, 16}} output is: 31 and 25.

26. WAP to print minimum in rows. Means e.g. arr[][] = {{22, 31, 9}, {12, 25, 16}} output is: 9 and 12.

27. WAP to print maximum in columns. Means e.g. arr[][]= {{22, 31, 9}, {12, 5, 16}, {34, 42, 2}} output is: 34, 42, and 16.

28. WAP to print minimum in columns. Means e.g. arr[][]={{22, 31, 9}, {12, 5, 16}, {34, 42, 2}} output is: 12, 5, 2.

29. WAP to shuffle array. Means e.g. arr[] = [5, 6, 23, 67, 39, 10, 2]

So output array is [6, 23, 67, 39, 10, 2, 5].

30. WAP to show 3 dimension array.