Exercise programs Based on Array

1. Write a Java program to sort an array of positive integers of an given array, in the sorted array the value of the first element should be maximum, second value should be minimum value, third should be second maximum, fourth second be second minimum and so on.
2. Write a Java program to separate even and odd numbers of an given array of integers. Put all even numbers first, and then odd numbers.
3. Write a Java program to remove the duplicate elements of a given array and return the new length of the array.
4. Write a Java program to find the sum of the two elements of a given array which is equal to a given integer.
5. Display the sum of rows in a matrix
6. Display the transpose of a matrix