**DSA PRACTICE QUESTIONS**

**ARRAYS:** (https://www.javatpoint.com/array-in-java)

1) Java Program to copy all elements of one array into another array

2) Java Program to find the frequency of each element in the array

3) Java Program to left rotate the elements of an array

4) Java Program to print the duplicate elements of an array

5) Java Program to print the elements of an array

6) Java Program to print the elements of an array in reverse order

7) Java Program to print the elements of an array present on even position

8) Java Program to print the elements of an array present on odd position

9) Java Program to print the kth largest element in an array

10) Java Program to print the kth smallest element in an array

11) Java Program to print the number of elements present in an array

12) Java Program to print the sum of all the items of the array

13) Java Program to right rotate the elements of an array

14) Java Program to sort the elements of an array in ascending order

15) Java Program to sort the elements of an array in descending order

16) Remove Duplicate Element in an Array

17) Add and Subtract Two Matrices

18) Multiply Two Matrices

19) Print Odd and Even Number from an Array

20) Transpose matrix

21) Java Program to determine whether a given matrix is an identity matrix

22) Java Program to determine whether a given matrix is a sparse matrix

23) Java Program to determine whether two matrices are equal

24) Java Program to display the lower triangular matrix

25) Java Program to display the upper triangular matrix

26) Java Program to find the frequency of odd & even numbers in the given matrix

27) Java Program to find the sum of each row and each column of a matrix

28) Java Array Program to Find the Determinant

29) Java Array Program to Find the Normal and Trace

30) Java Array Program to Rotate Matrix Elements

**STRING:**

10) What is the difference between String and StringBuffer in java?

11) What is the difference between StringBuffer and StringBuilder in java?

12) What does intern() method in java?

13) How to convert String to int in java?

14) How to convert int to String in java?

15) How to convert String to Date in java?

16) How to Optimize Java String Creation?

17) Java Program to check whether two Strings are anagram or not

18) Java program to find the percentage of uppercase, lowercase, digits and special characters in a String

19) How to convert String to Integer and Integer to String in Java

20) Java Program to find duplicate characters in a String

21) Java Program to prove that strings are immutable in java

22) Java Program to remove all white spaces from a String

23) Java Program to check whether one String is a rotation of another

24) Java Program to count the number of words in a String

25) Java Program to reverse a given String with preserving the position of space

26) How to swap two String variables without third variable

27) How to remove a particular character from a String