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 largest element in an array

10) Java Program to print the 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) Java Program to Find 3rd Largest Number in an array

17) Java Program to Find 2nd Largest Number in an array

18) Java Program to Find Largest Number in an array

19) Java to Program Find 2nd Smallest Number in an array

20) Java Program to Find Smallest Number in an array

21) Java Program to Remove Duplicate Element in an array

22) Java Program to Print Odd and Even Numbers from an array

23) How to Sort an Array in Java

1) Java Matrix Programs

2) Java Program to Add Two Matrices

3) Java Program to Multiply Two Matrices

4) Java Program to subtract the two matrices

5) Java Program to determine whether two matrices are equal

6) Java Program to display the lower triangular matrix

7) Java Program to display the upper triangular matrix

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

9) Java Program to find the product of two matrices

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

11) Java Program to find the transpose of a given matrix

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

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

14) Java Program to Transpose matrix

1. Write a program to Sort Numeric Array In Ascending Order

Sample Output

```
Array = {23, 5, 67, 20, 3, 30, 79, 3, 70, 2}

Ascending Order = {2, 3, 3, 5, 20, 23, 30, 67, 70, 79}
```

View Solution

2. Write a program to Sort Numeric Array In Descending Order

Sample Output

```
Array = {23, 5, 67, 20, 3, 30, 79, 3, 70, 2}

Descending Order = {79, 70, 67, 30, 23, 20, 5, 3, 3, 2}
```

View Solution

3. Write a program to print sum values of an array

Sample Output

```
Array = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Sum Values of Array = 55
```

View Solution

4. Write a program to calculate the average value of array elements

Sample Output

```
Array = {1, 2, 3, 4, 5}

Sum of Array Value : 15

Average of Array Value : 3.0
```

View Solution

5. Write a program to store elements in an array and print it

Sample Output

```
Array Size = 5
Element of a[0] = 5
Element of a[1] = 11
Element of a[2] = 22
Element of a[3] = 33
Element of a[4] = 44

Display Array Elements
5
11
22
```

```
33
44
```

View Solution

6. Write a program in to array size to be user input print it

Sample Output

```
Enter the Array Limit = 4
Element of a[0] = 10
Element of a[1] = 20
Element of a[2] = 30
Element of a[3] = 40

Display Array Elements
10
20
30
40
```

View Solution

7. Write a program in to find the sum of all elements of the array

Sample Output

```
Array = {10, 20, 30, 40, 50, 60}

Sum of Array Elements = 210
```

View Solution

8. Write a program in to read n number of values in an array and display it in reverse order

Sample Output

```
Enter the Array Size = 5
Element of a[0] = 1
Element of a[1] = 2
Element of a[2] = 3
Element of a[3] = 4
Element of a[4] = 5

Display Reverse Order
5
4
3
2
1
```

View Solution

9. Write a program to array elements to print cubic values

Sample Output

Array = {1, 2, 3, 4, 5}

Cubic Array Elements =1 8 27 64 125

View Solution

10. Write a program to find the maximum and minimum element in an array

Sample Output

Array = {23, 4, 32, 5, 75}

Maximum Element of Array = 75

Minimum Element of Array = 4

View Solution

11. Write a program to array elements print all Odd number

Sample Output

Array = {23, 45, 67, 34, 78}

Odd Array Elements = 23 45 67

View Solution

12. Write a program to array elements print all Even number

Sample Output

Array = {23, 45, 89, 34, 12}

Even Array Elements = 34 12

View Solution

13. Write a program to array elements to print sum of Odd Numbers

Sample Output

Array = {12, 34, 59, 45, 22}

Sum of Odd Array Elements = 104

View Solution

14. Write a program to array elements to print sum of Even Numbers

Sample Output

Array = {56, 78, 45, 79, 34}

Sum of Even Array Elements = 168

View Solution

15. Write a program to array elements to print sum of Cubic Values

Sample Output

Array = {1, 2, 3, 4, 5}

Sum of Cubic Array Elements = 225

View Solution

16. Write a program in to copy the elements of one array into another array

Sample Output

Array = {1, 2, 3, 4, 5}

Copy Array Elements one to Another Array = {1, 2, 3, 4, 5}

View Solution

17. Write a program to merge two arrays elements to store third array

Sample Output

First Array = {1, 2, 3, 4, 5}

First Array = {6, 7, 8, 9, 10}

Merge two Array Elements = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

View Solution

18. Write a program to array elements print all Positive number

Sample Output

Array = {67, -4, 3, -5, 44}

Positive Array Elements = {67, 3, 44}

View Solution

19. Write a program to array elements print all Negative number

Sample Output

Array = {-45, 32, -7, 3, -6}

Negative Array Elements = {-45, -7, -6}

View Solution

20. Write a program to array elements to print sum of Positive Numbers

Sample Output

Array = {1, -2, 3, 3, 4}

Sum of Positive Array Elements = 7

View Solution

21. Write a program to array elements to print sum of Negative Numbers

Sample Output

Array = {10, -23, 45, -10, 30}

Sum of Negative Array Elements = -33

View Solution

22. Write a program to search an element in an array

Sample Output

Array = {10, 20, 30, 40, 50}

Search Array Elements = 30

Element is Found in the Position = 3

Element is Found in the Index = 2

View Solution

23. Write a program to Delete Duplicate Elements from an Array

Sample Output

Array = {10, 10, 20, 20, 30}

After Remove Duplicate Array Elements = {10, 20, 30 }

View Solution

24. Write a program to Print Unique Elements in Array

Sample Output

Array = {10, 20, 40, 20, 10}

Display Array Unique Elements = {10, 20, 40 }

View Solution

25. Write a program to find the second smallest element in an array

Sample Output

Array = {10, 20, 5, 2, 30}

Second Smallest Element = 5

View Solution

26. Write a program that identifies the Even elements in two arrays and creates a third array with those elements

Sample Output

First Array = {1, 2, 3, 4, 5}

Second Array = {6, 7, 8, 9, 10}

Even Element Store in Third Array = {2, 4, 6, 8, 10}

View Solution

27. Write a program that identifies the Odd elements in two arrays and creates a third array with those elements

Sample Output

First Array = {1, 2, 3, 4, 5}

Second Array = {6, 7, 8, 9, 10}

Odd Element Store in Third Array = {1, 3, 5, 7, 9}

View Solution

28. Write a program to find the common elements between two arrays of integers

Sample Output

First Array = {10, 20, 30, 40, 50}

Second Array = {10, 30, 60, 50, 70}

Common Array Elements = {10, 30, 50}

View Solution

29. Write a program to find the second Largest element in an array

Sample Output

Array = {10, 20, 30, 40, 50}

Second Largest Element = 40

View Solution

30. Write a program to find a missing number in an array

Sample Output

Array = {1, 2, 4, 5, 6, 7}

Missing Array Number = 3

View Solution

31. Write a program to Sort an array in ascending order using quicksort

Sample Output

Array = {2, 65, 23, 13, 18, 30, 46, 17, 52, 78}

Sorted Array in Ascending Order = 2 13 17 18 23 30 46 52 65 78

View Solution

32. Write a program to Sort an array in descending order using bubble sort

Sample Output

Array = {2, 65, 23, 13, 18, 30, 46, 17, 52, 78}

Sorted Array in Descending Order = 78 65 52 46 30 23 18 17 13 2

View Solution

33. Write a program to Sort an array in ascending order using bubble sort

Sample Output

Array = {2, 65, 23, 13, 18, 30, 46, 17, 52, 78}

Sorted Array in Ascending Order = 2 13 17 18 23 30 46 52 65 78

View Solution

34. Write a program to Sort an array in descending order using selection sort

Sample Output

Array = {2, 65, 23, 13, 18, 30, 46, 17, 52, 78}

Sorted Array in Descending Order = 78 65 52 46 30 23 18 17 13 2

View Solution

35. Write a program to Sort an array in ascending order using selection sort

Sample Output

Array = {2, 65, 23, 13, 18, 30, 46, 17, 52, 78}

Sorted Array in Ascending Order = 2 13 17 18 23 30 46 52 65 78

View Solution

36. Write a program to Search an item in an array using binary search

Sample Output

```
Array = {10, 20, 30, 40, 50, 60, 70, 80, 90, 100}

Enter Item to Search = 60

Item Found at 5 Position
```

View Solution

37. Write a program to Search an item into the array using linear search

Sample Output

```
Array = {10, 20, 30, 56, 84}

Item to Search = 30

Item Found at Index = 2
```

View Solution

38. Write a program to Find prime and non-prime numbers in the array

Sample Output

```
Array = {3, 12, 21, 11}

3 - Prime
12 - Not Prime
21 - Not Prime
11 - Prime
```

View Solution

39. Write a program to Move all zero at the end of the array

Sample Output

```
Array = {1,0,45,34,0,67,2,0,6,67,45,2,0,10}

Array after Moving Zeros to End = 1 45 34 67 2 6 67 45 2 10 0 0 0 0
```

View Solution

40. Write a program to Read and print a Two Dimensional array

Sample Output

```
Rows = 2
Columns = 3

Enter Array Elements a[0][0] = 1
Enter Array Elements a[0][1] = 2
Enter Array Elements a[0][2] = 3
Enter Array Elements a[1][0] = 4
Enter Array Elements a[1][1] = 5
Enter Array Elements a[1][2] = 6

Display 2D Array Element
1 2 3
4 5 6
```

Take 10 integer inputs from user and store them in an array and print them on screen.

2.

Take 10 integer inputs from user and store them in an array. Again ask user to give a number. Now, tell user whether that number is present in array or not.

3.

Take 20 integer inputs from user and print the following:
number of positive numbers
number of negative numbers
number of odd numbers
number of even numbers
number of 0s.

4.

Take 10 integer inputs from user and store them in an array. Now, copy all the elements in an another array but in reverse order.

5.

Write a program to find the sum and product of all elements of an array.

6.

Initialize and print all elements of a 2D array.

7.

Find largest and smallest elements of an array.

8.

Write a program to check if elements of an array are same or not it read from front or back. E.g.-

9.
Take an array of 10 elements. Split it into middle and store the elements in two dfferent arrays. E.g.-
INITIAL array :

58 24 13 15 63 9 8 81 1 78

After spliting :

58 24 13 15 63
9 8 81 1 78

10.
Consider an integer array, the number of elements in which is determined by the user. The elements are also taken as input from the user. Write a program to find those pair of elements that has the maximum and minimum difference among all element pairs.

11.
If the input array is [10, 12, 20, 30, 25, 40, 32, 31, 35, 50, 60], your program should be able to find that the subarray lies between the indexes 3 and 8.

Write a Java program to sort a numeric array and a string array.

Click me to see the solution

2. Write a Java program to sum values of an array.

Click me to see the solution

3. Write a Java program to print the following grid.

Expected Output :

```
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
- - - - - - - - - -
```

Click me to see the solution

4. Write a Java program to calculate the average value of array elements.

Click me to see the solution

5. Write a Java program to test if an array contains a specific value.
Click me to see the solution

6. Write a Java program to find the index of an array element.

Click me to see the solution

7. Write a Java program to remove a specific element from an array.

Click me to see the solution

8. Write a Java program to copy an array by iterating the array.

Click me to see the solution

9. Write a Java program to insert an element (specific position) into an array.

Click me to see the solution

10. Write a Java program to find the maximum and minimum value of an array.

Click me to see the solution

11. Write a Java program to reverse an array of integer values.

Click me to see the solution

12. Write a Java program to find duplicate values in an array of integer values.

Click me to see the solution

13. Write a Java program to find duplicate values in an array of string values.

Click me to see the solution

14. Write a Java program to find common elements between two arrays (string values).

Click me to see the solution

15. Write a Java program to find common elements between two integer arrays.

Click me to see the solution

16. Write a Java program to remove duplicate elements from an array.

Click me to see the solution

17. Write a Java program to find the second largest element in an array.

Click me to see the solution

18. Write a Java program to find the second smallest element in an array.

Click me to see the solution

19. Write a Java program to add two matrices of the same size.

Click me to see the solution

20. Write a Java program to convert an array to an ArrayList.

Click me to see the solution

21. Write a Java program to convert an ArrayList to an array.

Click me to see the solution

22. Write a Java program to find all pairs of elements in an array whose sum is equal to a specified number.

Click me to see the solution

23. Write a Java program to test two arrays' equality.

Click me to see the solution

24. Write a Java program to find a missing number in an array.

Click me to see the solution

25. Write a Java program to find common elements in three sorted (in non-decreasing order) arrays.

Click me to see the solution

26. Write a Java program to move all 0's to the end of an array. Maintain the relative order of the other (non-zero) array elements.

Click me to see the solution

27. Write a Java program to find the number of even and odd integers in a given array of integers.

Click me to see the solution

28. Write a Java program to get the difference between the largest and smallest values in an array of integers. The array must have a length of at least 1.

Click me to see the solution

29. Write a Java program to compute the average value of an array of integers except the largest and smallest values.

Click me to see the solution

30. Write a Java program to check if an array of integers is without 0 and -1.

Click me to see the solution

31. Write a Java program to check if the sum of all the 10's in the array is exactly 30. Return false if the condition does not satisfy, otherwise true.

Click me to see the solution

32. Write a Java program to check if an array of integers contains two specified elements 65 and 77.

Click me to see the solution

33. Write a Java program to remove duplicate elements from a given array and return the updated array length.
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.

Click me to see the solution

34. Write a Java program to find the length of the longest consecutive elements sequence from an unsorted array of integers.
Sample array: [49, 1, 3, 200, 2, 4, 70, 5]
The longest consecutive elements sequence is [1, 2, 3, 4, 5], therefore the program will return its length 5.

Click me to see the solution

35. Write a Java program to find the sum of the two elements of a given array equal to a given integer.
Sample array: [1,2,4,5,6]
Target value: 6.

Click me to see the solution

36. Write a Java program to find all the distinct triplets such that the sum of all the three elements [x, y, z (x ≤ y ≤ z)] equal to a specified number.
Sample array: [1, -2, 0, 5, -1, -4]
Target value: 2.

Click me to see the solution

37. Write a Java program to create an array of its anti-diagonals from a given square matrix.

Example:
Input :
1 2
3 4
Output:
[
[1],
[2, 3],
[4]
]

Click me to see the solution

38. Write a Java program to get the majority element from an array of integers containing duplicates.

Majority element: A majority element is an element that appears more than n/2 times where n is the array size.

Click me to see the solution

39. Write a Java program to print all the LEADERS in the array.
Note: An element is leader if it is greater than all the elements to its right side.

Click me to see the solution

40. Write a Java program to find the two elements in a given array of positive and negative numbers such that their sum is close to zero.

Click me to see the solution

41. Write a Java program to find the smallest and second smallest elements of a given array.

Click me to see the solution

42. Write a Java program to separate 0s and 1s in an array of 0s and 1s into left and right sides.

Click me to see the solution

43. Write a Java program to find all combinations of four elements of an array whose sum is equal to a given value.

Click me to see the solution

44. Write a Java program to count the number of possible triangles from a given unsorted array of positive integers.
Note: The triangle inequality states that the sum of the lengths of any two sides of a triangle must be greater than or equal to the length of the third side.

Click me to see the solution

45. Write a Java program to cyclically rotate a given array clockwise by one.

Click me to see the solution

46. Write a Java program to check whether there is a pair with a specified sum in a given sorted and rotated array.

Click me to see the solution

47. Write a Java program to find the rotation count in a given rotated sorted array of integers.

Click me to see the solution

48. Write a Java program to arrange the elements of an array of integers so that all negative integers appear before all positive integers.

Click me to see the solution

49. Write a Java program to arrange the elements of an array of integers so that all positive integers appear before all negative integers.

Click me to see the solution

50. Write a Java program to sort an array of positive integers from an array. In the sorted array the value of the first element should be maximum, the second value should be a minimum, third should be the second maximum, the fourth should be the second minimum and so on.

Click me to see the solution

51. Write a Java program that separates 0s on the left hand side and 1s on the right hand side from a random array of 0s and 1.

Click me to see the solution

52. Write a Java program to separate even and odd numbers from a given array of integers. Put all even numbers first, and then odd numbers.

Click me to see the solution

53. Write a Java program to replace every element with the next greatest element (from the right side) in a given array of integers.
There is no element next to the last element, therefore replace it with -1.

Click me to see the solution

54. Write a Java program to check if a given array contains a subarray with 0 sum.

Example:
Input :
nums1= { 1, 2, -2, 3, 4, 5, 6 }
nums2 = { 1, 2, 3, 4, 5, 6 }
nums3 = { 1, 2, -3, 4, 5, 6 }
Output:
Does the said array contain a subarray with 0 sum: true
Does the said array contain a subarray with 0 sum: false
Does the said array contain a subarray with 0 sum: true

Click me to see the solution

55. Write a Java program to print all sub-arrays with 0 sum present in a given array of integers.

Example:
Input :
nums1 = { 1, 3, -7, 3, 2, 3, 1, -3, -2, -2 }
nums2 = { 1, 2, -3, 4, 5, 6 }
nums3= { 1, 2, -2, 3, 4, 5, 6 }
Output:
Sub-arrays with 0 sum : [1, 3, -7, 3]
Sub-arrays with 0 sum : [3, -7, 3, 2, 3, 1, -3, -2]

Sub-arrays with 0 sum : [1, 2, -3]
Sub-arrays with 0 sum : [2, -2]

Click me to see the solution

56. Write a Java program to sort a binary array in linear time.
From Wikipedia,
Linear time: An algorithm is said to take linear time, or O(n) time, if its time complexity is O(n). Informally, this means that the running time increases at most linearly with the size of the input. More precisely, this means that there is a constant c such that the running time is at most cn for every input of size n. For example, a procedure that adds up all elements of a list requires time proportional to the length of the list, if the adding time is constant, or, at least, bounded by a constant.
Linear time is the best possible time complexity in situations where the algorithm has to sequentially read its entire input. Therefore, much research has been invested into discovering algorithms exhibiting linear time or, at least, nearly linear time. This research includes both software and hardware methods. There are several hardware technologies which exploit parallelism to provide this. An example is content-addressable memory. This concept of linear time is used in string matching algorithms such as the Boyer–Moore algorithm and Ukkonen's algorithm.

Example:
Input :
b_nums[] = { 0, 1, 1, 0, 1, 1, 0, 1, 0, 0 }
Output:
After sorting: [0, 0, 0, 0, 0, 1, 1, 1, 1, 1]

Click me to see the solution

57. Write a Java program to check if a sub-array is formed by consecutive integers from a given array of integers.

Example:
Input :
nums = { 2, 5, 0, 2, 1, 4, 3, 6, 1, 0 }
Output:

The largest sub-array is [1, 7]
Elements of the sub-array: 5 0 2 1 4 3 6

Click me to see the solution

58. Given two sorted arrays A and B of size p and q, write a Java program to merge elements of A with B by maintaining the sorted order i.e. fill A with first p smallest elements and fill B with remaining elements.

Example:
Input :
int[] A = { 1, 5, 6, 7, 8, 10 }
int[] B = { 2, 4, 9 }
Output:
Sorted Arrays:
A: [1, 2, 4, 5, 6, 7]
B: [8, 9, 10]

Click me to see the solution

59. Write a Java program to find the maximum product of two integers in a given array of integers.

Example:
Input :
nums = { 2, 3, 5, 7, -7, 5, 8, -5 }
Output:
Pair is (7, 8), Maximum Product: 56

Click me to see the solution

60. Write a Java program to shuffle a given array of integers.

Example:
Input :
nums = { 1, 2, 3, 4, 5, 6 }
Output:
Shuffle Array: [4, 2, 6, 5, 1, 3]

Click me to see the solution

61. Write a Java program to rearrange a given array of unique elements such that every second element of the array is greater than its left and right elements.

Example:
Input :
nums= { 1, 2, 4, 9, 5, 3, 8, 7, 10, 12, 14 }
Output:
Array with every second element is greater than its left and right elements:
[1, 4, 2, 9, 3, 8, 5, 10, 7, 14, 12]

Click me to see the solution

62. Write a Java program to find equilibrium indices in a given array of integers.

Example:
Input :
nums = {-7, 1, 5, 2, -4, 3, 0}
Output:
Equilibrium indices found at : 3
Equilibrium indices found at : 6

Click me to see the solution

63. Write a Java program to replace each element of the array with the product of every other element in a given array of integers.

Example:
Input :
nums1 = { 1, 2, 3, 4, 5, 6, 7}
nums2 = {0, 1, 2, 3, 4, 5, 6, 7}
Output:
Array with product of every other element:
[5040, 2520, 1680, 1260, 1008, 840, 720]
Array with product of every other element:
[5040, 0, 0, 0, 0, 0, 0, 0]

Click me to see the solution

64. Write a Java program to find the Longest Bitonic Subarray in a given array.

A bitonic subarray is a subarray of a given array where elements are first sorted in increasing order, then in decreasing order. A strictly increasing or strictly decreasing subarray is also accepted as bitonic subarray.

Example:
Input :
nums = { 4, 5, 9, 5, 6, 10, 11, 9, 6, 4, 5 }
Output:
The longest bitonic subarray is [3,9]
Elements of the said sub-array: 5 6 10 11 9 6 4
The length of longest bitonic subarray is 7

Click me to see the solution

65. Write a Java program to find the maximum difference between two elements in a given array of integers such that the smaller element appears before the larger element.

Example:
Input :
nums = { 2, 3, 1, 7, 9, 5, 11, 3, 5 }
Output:
The maximum difference between two elements of the said array elements
10

Click me to see the solution

66. Write a Java program to find a contiguous subarray within a given array of integers with the largest sum.

In computer science, the maximum sum subarray problem is the task of finding a contiguous subarray with the largest sum, within a given one-dimensional array A[1...n] of numbers. Formally, the task is to find indices and with, such that the sum is as large as possible.

Example:
Input :
int[] A = {1, 2, -3, -4, 0, 6, 7, 8, 9}

Output:
The largest sum of contiguous sub-array: 30

Click me to see the solution

67. Write a Java program to find the subarray with the largest sum in a given circular array of integers.

Example:
Input :
nums1 = { 2, 1, -5, 4, -3, 1, -3, 4, -1 }
nums2 = { 1, -2, 3, 0, 7, 8, 1, 2, -3 }
Output:
The sum of subarray with the largest sum is 6
The sum of subarray with the largest sum is 21

Click me to see the solution

68. Write a Java program to create all possible permutations of a given array of distinct integers.

Example:
Input :
nums1 = {1, 2, 3, 4}
nums2 = {1, 2, 3}
Output:
Possible permutations of the said array:
[1, 2, 3, 4]
[1, 2, 4, 3]
....
[4, 1, 3, 2]
[4, 1, 2, 3]
Possible permutations of the said array:
[1, 2, 3]
[1, 3, 2]
...
[3, 2, 1]
[3, 1, 2]

Click me to see the solution

69. Write a Java program to find the minimum subarray sum of specified size in a given array of integers.

Example:
Input :
nums = { 1, 2, 3, 4, 5, 6, 7, 8, 9,10}
Output:
Sub-array size: 4
Sub-array from 0 to 3 and sum is: 10

Click me to see the solution

70. Write a Java program to find the smallest length of a contiguous subarray of which the sum is greater than or equal to a specified value. Return 0 instead.

Example:
Input :
nums = {1, 2, 3, 4, 6}
Output:
Minimum length of a contiguous subarray of which the sum is 8, 2

Click me to see the solution

71. Write a Java program to find the largest number from a given list of non-negative integers.

Example:
Input :
nums = {1, 2, 3, 0, 4, 6}
Output:
Largest number using the said array numbers: 643210

Click me to see the solution

72. Write a Java program to find and print one continuous subarray (from a given array of integers) that if you only sort the said subarray in ascending order then the entire array will be sorted in ascending order.

Example:
Input :
nums1 = {1, 2, 3, 0, 4, 6}

nums2 = { 1, 3, 2, 7, 5, 6, 4, 8}
Output:
Continuous subarray:
1 2 3 0
Continuous subarray:
3 2 7 5 6 4

Click me to see the solution

73. Write a Java program to sort a given array of distinct integers where all its numbers are sorted except two numbers.

Example:
Input :
nums1 = { 3, 5, 6, 9, 8, 7 }
nums2 = { 5, 0, 1, 2, 3, 4, -2 }
Output:
After sorting new array becomes: [3, 5, 6, 7, 8, 9]
After sorting new array becomes: [-2, 0, 1, 2, 3, 4, 5]

Click me to see the solution

74. Write a Java program to find all triplets equal to a given sum in an unsorted array of integers.

Example:
Input :
nums = { 1, 6, 3, 0, 8, 4, 1, 7 }
Output:
Triplets of sum 7
(0 1 6)
(0 3 4)

Click me to see the solution

75. Write a Java program to calculate the largest gap between sorted elements of an array of integers.

Example:
Original array: [23, -2, 45, 38, 12, 4, 6]
Largest gap between sorted elements of the said array: 15

Click me to see the solution

76. Write a Java program to determine whether numbers in an array can be rearranged so that each number appears exactly once in a consecutive list of numbers. Return true otherwise false.

Example:
Original array: [1, 2, 5, 0, 4, 3, 6]
Check consecutive numbers in the said array!true

Click me to see the solution

77. Write a Java program that checks whether an array of integers alternates between positive and negative values.

Example:
Original array: [1, -2, 5, -4, 3, -6]
Check the said array of integers alternates between positive and negative values!true

Click me to see the solution

78. Write a Java program that checks whether an array is negative dominant or not. If the array is negative dominant return true otherwise false.

Example:
Original array of numbers:
[1, -2, -5, -4, 3, -6]
Check Negative Dominance in the said array!true

Click me to see the solution

79. Write a Java program that returns the missing letter from an array of increasing letters (upper or lower). Assume there will always be one omission from the array.

Example:
Original array of elements:
[p, r, s, t]
Missing letter in the said array: q

1. Write a Java program to count the number of days between two given years

View Solution

2. Write a Java program to print LocalDate yyyy-MM-dd

View Solution

3. Write a Java program to print LocalTime HH:mm:ss

View Solution

4. Write a Java program to print LocalTime and LocalDate yyyy-MM-dd HH:mm:ss

View Solution

5. Write a Java program to print ZonedDateTime E MMM yyyy HH:mm:ss.SSSZ

View Solution

6. Write a Java program to print OffsetTime HH:mm:ss,Z

View Solution

7. Write a Java program to display combine local date and time in a single object

View Solution

8. Write a Java program to display current date without time and current time without date

View Solution

9. Write a Java program to calculate the difference between two dates in days

View Solution

10. Write a Java program to get seconds since 1970

View Solution

11. Write a Java program to convert a unix timestamp to date

View Solution

12. Write a Java program to extract date, time from the date string

View Solution

13. Write a Java program to get today's date at midnight time

View Solution

14. Write a Java program to get the next and previous Friday

View Solution

15. Write a Java program to calculate your age

View Solution

16. Write a Java program to compute the difference between two datetime (Hours, Minutes, Milliseconds, Seconds and Nanoseconds)

View Solution

17. Write a Java program to compute the difference between two dates (Years, Months, Days)

View Solution

18. Write a Java program to convert a string to date

View Solution

19. Write a Java program to display the date time information before some hours and minutes from current date time

View Solution

20. Write a Java program to get the information of a given time

View Solution

21. Write a Java program to get the information of current/given month

- Current Month of Number : 6
- Number of Days in Month : 30
- Maximum Number of Days in Month : 30
- First Month of the Quarter : APRIL

View Solution

22. Write a Java program to get the information of current/given year

- Current Year : 2001
- Is Current Year or leap Year ? false
- Number of Days in the year : 365 days

View Solution

23. Write a Java program to display the dates in the specified formats

View Solution

24. Write a Java program to get the months remaining in the year

View Solution

25. Write a Java program to get the dates 10 days before and after today

View Solution

26. Write a Java program to get the current time in all the available time zones

View Solution

27. Write a Java program to get current timestamp

View Solution

28. Write a Java program to get year and months between two dates

View Solution

29. Write a Java program to get a date before and after 1 year compares to the current date

View Solution

30. Write a Java program to get a date after 2 weeks

View Solution

31. Write a Java program to add some hours to the current time

View Solution

32. Write a Java program to get the current local time

View Solution

33. Write a Java program to get a day of the week of a specific date

View Solution

34. Write a Java program to get localized day in week name

View Solution

35. Write a Java program to get Current Locale day in week name

View Solution

36. Write a Java program to get the number of days of a month

View Solution

37. Write a Java program to get the name of the first and last day of a month

View Solution

38. Write a Java program to calculate the first and last day of each week

View Solution

39. Write a Java program to get the last date of the month

View Solution

40. Write a Java program to get the last day of the current month

View Solution

41. Write a Java program to get current full date and time

View Solution

42. Write a Java program to get the current time in New York

View Solution

43. Write a Java program to get the minimum value of year, month, week, date from the current date of a default calendar

View Solution

44. Write a Java program to get the maximum value of the year, month, week, date from the current date of a default calendar

View Solution

45. Write a Java program to get and display information (year, month, day, hour, minute) of a default calendar

View Solution

46. Write a Java program to create a Date object using the Calendar class

View Solution

47. Write a Java Program to Generate Month Calendar of Any Year

View Solution

48. Write a Java Program to Generate One Year Calendar

View Solution

49. Write a Java Program to Decrement a Month using the Calendar Class

View Solution

50. Write a Java Program to Increment a Month using the Calendar Class

View Solution

51. Write a Java Program to Get individual components of the current time

View Solution

52. Write a Java Program to Compare time using equals() method

View Solution

53. Write a Java Program to Compare time using compareTo() method

View Solution

54. Write a Java Program to Add years to the current date

View Solution

55. Write a Java Program to Add months to the current date

View Solution

56. Write a Java Program to Subtract days from the current date

View Solution

57. Write a Java Program to Add days to the current date

View Solution

58. Write a Java Program to Get the current day number of a month using the get() method of Calendar class

View Solution

59. Write a Java Program to Get the current year using the get() method of Calendar class

View Solution

60. Write a Java Program to Print the current date-time using Calendar class

View Solution

61. Write a Java Program to Create a LocalDate object from the object of Date class

View Solution

62. Write a Java Program to Parse individual components of date from the current date

View Solution

63. Write a Java Program to Parse individual components of date from a string

View Solution

64. Write a Java Program to Compare dates using the Date.equals() method

View Solution

65. Write a Java Program to Compare dates using Date.compareTo() method

View Solution

66. Write a Java Program to Get a date from milliseconds using the Date.setTime() method

View Solution

67. Write a Java Program to Get a date from milliseconds using Date() constructor

View Solution

68. Write a Java Program to Get milliseconds from the specified date

View Solution

69. Write a Java Program to Convert 'java.util.Date' into 'java.sql.Date'

View Solution

70. Write a Java Program to Get current system date and time in Java

View Solution

71. Write a Java Program to get elapsed time in seconds and milliseconds

View Solution

1) Fibonacci Series in Java

2) Prime Number Program in Java

3) Palindrome Program in Java

4) Factorial Program in Java

5) Armstrong Number in Java

6) How to Generate Random Number in Java

7) How to Print Pattern in Java

8) How to Compare Two Objects in Java

9) How to Create Object in Java

10) How to Print ASCII Value in Java

Java Number Programs

1) How to Reverse a Number in Java

2) Java Program to convert Number to Word

3) Automorphic Number Program in Java

4) Peterson Number in Java

5) Sunny Number in Java

6) Tech Number in Java

7) Fascinating Number in Java

8) Keith Number in Java

9) Neon Number in Java

10) Spy Number in Java

11) ATM program Java

12) Autobiographical Number in Java

13) Emirp Number in Java

14) Sphenic Number in Java

15) Buzz Number Java

16) Duck Number Java

17) Evil Number Java

18) ISBN Number Java

19) Krishnamurthy Number Java

20) Bouncy Number in Java

21) Mystery Number in Java

22) Smith Number in Java

23) Strontio Number in Java

24) Xylem and Phloem Number in Java

25) nth Prime Number Java

26) Java Program to Display Alternate Prime Numbers

27) Java Program to Find Square Root of a Number Without sqrt Method

28) Java Program to Swap Two Numbers Using Bitwise Operator

29) Java Program to Find GCD of Two Numbers

30) Java Program to Find Largest of Three Numbers

31) Java Program to Find Smallest of Three Numbers Using Ternary Operator

32) Java Program to Check if a Number is Positive or Negative

33) Java Program to Check if a Given Number is Perfect Square

34) Java Program to Display Even Numbers From 1 to 100

35) Java Program to Display Odd Numbers From 1 to 100

36) Java Program to Find Sum of Natural Numbers

Java Array Programs

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 largest element in an array

10) Java Program to print the 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) Java Program to Find 3rd Largest Number in an array

17) Java Program to Find 2nd Largest Number in an array

18) Java Program to Find Largest Number in an array

19) Java to Program Find 2nd Smallest Number in an array

20) Java Program to Find Smallest Number in an array

21) Java Program to Remove Duplicate Element in an array

22) Java Program to Print Odd and Even Numbers from an array

23) How to Sort an Array in Java

Java Matrix Programs

1) Java Matrix Programs

2) Java Program to Add Two Matrices

3) Java Program to Multiply Two Matrices

4) Java Program to subtract the two matrices

5) Java Program to determine whether two matrices are equal

6) Java Program to display the lower triangular matrix

7) Java Program to display the upper triangular matrix

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

9) Java Program to find the product of two matrices

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

11) Java Program to find the transpose of a given matrix

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

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

14) Java Program to Transpose matrix

Java String Programs

1) Java Program to count the total number of characters in a string

2) Java Program to count the total number of characters in a string 2

3) Java Program to count the total number of punctuation characters exists in a String

4) Java Program to count the total number of vowels and consonants in a string

5) Java Program to determine whether two strings are the anagram

6) Java Program to divide a string in 'N' equal parts.

7) Java Program to find all subsets of a string

8) Java Program to find the longest repeating sequence in a string

9) Java Program to find all the permutations of a string

10) Java Program to remove all the white spaces from a string

11) Java Program to replace lower-case characters with upper-case and vice-versa

12) Java Program to replace the spaces of a string with a specific character

13) Java Program to determine whether a given string is palindrome

14) Java Program to determine whether one string is a rotation of another

15) Java Program to find maximum and minimum occurring character in a string

16) Java Program to find Reverse of the string

17) Java program to find the duplicate characters in a string

18) Java program to find the duplicate words in a string

19) Java Program to find the frequency of characters

20) Java Program to find the largest and smallest word in a string

21) Java Program to find the most repeated word in a text file

22) Java Program to find the number of the words in the given text file

23) Java Program to separate the Individual Characters from a String

24) Java Program to swap two string variables without using third or temp variable.

25) Java Program to print smallest and biggest possible palindrome word in a given string

26) Reverse String in Java Word by Word

27) Reserve String without reverse() function

Java Searching and Sorting Programs

1) Linear Search in Java

2) Binary Search in Java

3) Bubble Sort in Java

4) Selection Sort in Java

5) Insertion Sort in Java

Java Conversion Programs

1) How to convert String to int in Java

2) How to convert int to String in Java

3) How to convert String to long in Java

4) How to convert long to String in Java

5) How to convert String to float in Java

6) How to convert float to String in Java

7) How to convert String to double in Java

8) How to convert double to String in Java

9) How to convert String to Date in Java

10) How to convert Date to String in Java

11) How to convert String to char in Java

12) How to convert char to String in Java

13) How to convert String to Object in Java

14) How to convert Object to String in Java

15) How to convert int to long in Java

16) How to convert long to int in Java

17) How to convert int to double in Java

18) How to convert double to int in Java

19) How to convert char to int in Java

20) How to convert int to char in Java

21) How to convert String to boolean in Java

22) How to convert boolean to String in Java

23) How to convert Date to Timestamp in Java

24) How to convert Timestamp to Date in Java

25) How to convert Binary to Decimal in Java

26) How to convert Decimal to Binary in Java

27) How to convert Hex to Decimal in Java

28) How to convert Decimal to Hex in Java

29) How to convert Octal to Decimal in Java

30) How to convert Decimal to Octal in Java

Java Pattern programs

1) Java program to print the following spiral pattern on the console

2) Java program to print the following pattern

3) Java program to print the following pattern 2

4) Java program to print the following pattern 3

5) Java program to print the following pattern 4

6) Java program to print the following pattern 5

7) Java program to print the following pattern on the console

8) Java program to print the following pattern on the console 2

9) Java program to print the following pattern on the console 3

10) Java program to print the following pattern on the console 4

11) Java program to print the following pattern on the console 5

12) Java program to print the following pattern on the console 6

13) Java program to print the following pattern on the console 7

14) Java program to print the following pattern on the console 8

15) Java program to print the following pattern on the console 9

16) Java program to print the following pattern on the console 10

17) Java program to print the following pattern on the console 11

18) Java program to print the following pattern on the console 12

DSA		
Easy	Ideal Time : 5-10 mins	
Medium	Ideal Time : 15-20 mins	5 Questions each Day
Hard	Ideal Time : 40-60 mins (based on Qs) | 88 Qs	
Topics	**Question (375)**	**Companies**
Arrays	Maximum and Minimum Element in an Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Arrays	Reverse the Array	Infosys Moonfrog Labs
Arrays	Maximum-Subarray	Microsoft + Facebook Interview Qs
Arrays	Contains Duplicate	Amazon Interview Qs
Arrays	Chocolate Distribution Problem	Amazon Interview Qs
Arrays	Search in Rotated Sorted Array	Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Paytm
Arrays	Next Permutation	Uber + Goldman Sachs + Adobe Interview Qs
Arrays	Best time to Buy and Sell Stock	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft Ola Cabs Oracle Paytm Pubmatic Quikr Salesforce Sapient Swiggy Walmart Media.net Google
Arrays	Repeat and Missing Number Array	Amazon Interview Qs
Arrays	Kth-Largest Element in an Array	Amazon Microsoft Walmart Adobe

Arrays	Trapping Rain Water	Samsung Interview Qs
Arrays	Product of Array Except Self	Microsoft + Facebook Interview Qs
Arrays	Maximum Product Subarray	Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google
Arrays	Find Minimum in Rotated Sorted Array	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet
Arrays	Find Pair with Sum in Sorted & Rotated Array	Microsoft + Google + Apple Interview Qs
Arrays	3Sum	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet
Arrays	Container With Most Water	Flipkart + Dunzo Interview Qs
Arrays	Given Sum Pair	Infosys + Amazon + Flipkart Interview Qs
Arrays	Kth - Smallest Element	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Arrays	Merge Overlapping Intervals	Google Interview Qs
Arrays	Find Minimum Number of Merge Operations to Make an Array Palindrome	Amazon
Arrays	Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Barclays Interview Qs
Arrays	Space Optimization Using Bit Manipulations	Amazon
Arrays	Subarray Sum Divisible K	Snapdeal Microsoft
Arrays	Print all Possible Combinations of r Elements in a	Amazon

	Given Array of Size n	
Arrays	Mo's Algorithm	Microsoft
Strings	Valid Palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho
Strings	Valid Anagram	Nagarro Media.net Directi Google Adobe Flipkart
Strings	Valid parentheses	Google Interview Qs
Strings	Remove Consecutive Characters	Samsung + Adobe
Strings	Longest Common Prefix	Adobe + Grofers + Dunzo Interview Qs
Strings	Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence	Adobe
Strings	Print all the Duplicates in the Input String	Ola + Amdocs IQ
Strings	Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ
Strings	Longest Repeating Character Replacement	Amazon Google
Strings	Group Anagrams	Samsung + Adobe + Amazon Interview Qs
Strings	Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ
Strings	Palindromic Substrings	Microsoft IQ
Strings	Next Permutation	Adobe + Goldman Sachs + Uber
Strings	Count Palindromic Subsequences	Myntra Interview Qs

Strings	Smallest Window in a String Containing all the Characters of Another String	Microsoft + Amazon IQ
Strings	Wildcard String Matching	Microsoft + Amazon + Ola IQ
Strings	Longest Prefix Suffix	Flipkart + Swiggy IQ
Strings	Rabin-Karp Algorithm for Pattern Searching	Microsoft
Strings	Transform One String to Another using Minimum Number of Given Operation	Directi
Strings	Minimum Window Substring	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atlassian Flipkart
Strings	Boyer Moore Algorithm for Pattern Searching	Amdocs
Strings	Word Wrap	Microsoft
2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon
2D Arrays	Set Matrix Zeroes	Amazon Microsoft
2D Arrays	Spiral Matrix	Flipkart + Apple + Societe Generale IQ
2D Arrays	Rotate Image	Microsoft Paytm Samsung Adobe
2D Arrays	Word Search	Google + Ola + Goldman Sachs IQ
2D Arrays	Find the Number of Islands | Set 1 (Using DFS)	Microsoft + Uber + Apple + Amazon IQ

2D Arrays	Given a Matrix of ‘O’ and ‘X’, Replace ‘O’ with ‘X’ if Surrounded by ‘X’	Google
2D Arrays	Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix	MAQ Software Microsoft VMWare
2D Arrays	Create a Matrix with Alternating Rectangles of O and X	MAQ VMWare
2D Arrays	Maximum Size Rectangle of all 1s	Amazon Microsoft
Searching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung
Searching & Sorting	counting sort	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems
Searching & Sorting	find common elements three sorted arrays	MAQ Software Microsoft VMWare
Searching & Sorting	Searching in an array where adjacent differ by at most k	TCS Amazon
Searching & Sorting	ceiling in a sorted array	TCS
Searching & Sorting	Piar with given difference	Amazon Visa
Searching & Sorting	majority element	Amazon+ Google
Searching & Sorting	count triplets with sum smaller that a given value	Amazon SAP Labs

Searching & Sorting	Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipkart
Searching & Sorting	Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Snapdeal Synopsys Zoho Adobe
Searching & Sorting	Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip
Searching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho
Searching & Sorting	Radix Sort	Amazon+ Microsoft
Searching & Sorting	Product of Array except itself	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart
Searching & Sorting	Make all Array Elements Equal	Amazon
Searching & Sorting	Check if Reversing a Sub Array Make the Array Sorted	Amazon
Searching & Sorting	Find Four Elements that Sum to a Given Value	Adobe Amazon Google Microsoft OYO Rooms
Searching & Sorting	Median of Two Sorted Array with Different Size	Amazon Samsung Microsoft Google
Searching & Sorting	Median of Stream of Integers Running Integers	Amazon + Google
Searching & Sorting	Print Subarrays with 0 Sum	Paytm Adobe
Searching & Sorting	Aggressive Cows	Adobe
Searching & Sorting	Allocate Minimum number of Pages	Google Infosys Codenation Amazon Microsoft

Searching & Sorting	Minimum Swaps to Sort	Amazon + Google
Backtracking	Backtracking Set 2 Rat in a Maze	Microsoft Amazon
Backtracking	Combinational Sum	Adobe Amazon Microsoft
Backtracking	Crossword-Puzzle	Microsoft
Backtracking	Longest Possible Route in a Matrix with Hurdles	Microsoft
Backtracking	Printing all solutions in N-Queen Problem	Accolite Amazon Amdocs D-E-Shaw MAQ Software Twitter Visa Microsoft
Backtracking	Solve the Sudoku	Amazon Directi Flipkart MakeMyTrip MAQ Software Microsoft Ola Cabs Oracle PayPal Zoho
Backtracking	Partition Equal Subset Sum	Amazon + Adobe + Accolite + Traveloka
Backtracking	M Coloring Problem	Amazon
Backtracking	Knight Tour	IBM
Backtracking	Soduko	Amazon + Adobe + Accolite + Traveloka
Backtracking	Remove Invalid Parentheses	Uber
Backtracking	Word Break Problem using Backtracking	
Backtracking	Print all Palindromic Partitions of a String	Facebook Amazon Microsoft
Backtracking	Find Shortest Safe Route in a Path with Landmines	Facebook Amazon Microsoft
Backtracking	Partition of Set into K Subsets with Equal Sum	Amazon

Backtracking	[Backtracking set-7 hamiltonian cycle]()	Amazon
Backtracking	[tug-of-war]()	Google
Backtracking	[Maximum Possible Number by doing at most K swaps]()	Amazon + Adobe + Accolite + Traveloka
Backtracking	[Backtracking set-8 solving cryptarithmetic puzzles]()	Goldman Sachs
Backtracking	[Find paths from corner cell to middle cell in maze]()	Meta
Backtracking	[Arithmetic Expressions]()	Flipkart
Linked List	[Reverse Linked List]()	Sprinklr
Linked List	[Linked List Cycle]()	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ Software OYO Rooms Paytm Qualcomm Samsung SAP Labs Snapdeal Veritas VMWare Walmart Adobe
Linked List	[Merge Two Sorted Lists]()	Accolite Amazon Belzabar Brocade FactSet Flipkart MakeMyTrip Microsoft OATS Systems Oracle Samsung Synopsys Zoho
Linked List	[Delete without Head node]()	Amazon Goldman Sachs Kritikal Solutions Microsoft Samsung Visa
Linked List	[Remove duplicates from an unsorted linked list]()	Amazon Intuit
Linked List	[Sort a linked list of 0s-1s-or-2s]()	Microsoft Amazon MakeMyTrip
Linked List	[Multiply two numbers represented linked lists]()	Amazon

Linked List	Remove nth node from end of list	Accolite Adobe Amazon Citicorp Epic Systems FactSet Hike MAQ Software Monotype Solutions Morgan Stanley OYO Rooms Qualcomm Samsung Snapdeal Flipkart
Linked List	Reorder List	Amazon Microsoft OYO Rooms Intuit
Linked List	Detect and remove loop in a linked list	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ Software OYO Rooms Paytm Qualcomm Samsung SAP Labs Snapdeal Veritas VMWare Walmart Adobe
Linked List	Write a Function to get the Intersection Point of two Linked Lists	Amazon
Linked List	Flatten a linked list with next and child pointers	Google
Linked List	Linked list in zig-zag fashion	Micorsoft
Linked List	Reverse a doubly linked list	Walmart
Linked List	Delete nodes which have a greater value on right side	Amazon
Linked List	Segregate even and odd Elements in a Linked List	Walmart
Linked List	Point to next higher value node in a linked list with an Arbitrary Pointer	GeekyAnts
Linked List	Rearrange a given linked list in place	Ola Uber
Linked List	Sort Biotonic Doubly Linked Lists	Morgan Stanley
Linked List	Merge K Sorted Lists	Microsoft+ Ola+ eBay
Linked List	Merge sort for linked list	Accolite Adobe Amazon MAQ Software Microsoft Paytm Veritas

Linked List	Quicksort on singly-linked list	Paytm
Linked List	Sum of two linked lists	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Snapdeal
Linked List	Flattening a linked list	24*7 Innovation Labs Amazon Drishti-Soft Flipkart Goldman Sachs Microsoft Paytm Payu Qualcomm Snapdeal Visa
Linked List	Clone a linked list with next and random Pointer	Triology
Linked List	Subtract two numbers represented as linked lists	Amazon Goldman Sachs
Stacks & Queues	Implement two stacks in an Array	24*7 Innovation Labs Microsoft Samsung Snapdeal
Stacks & Queues	Evaluation of Postfix Expression	Amazon + Google + Facebook
Stacks & Queues	Implement Stack using Queues	Facebook
Stacks & Queues	Queue Reversal	Amazon + Morgain Stanley
Stacks & Queues	Implement Stack Queue using Deque	Microsoft +Atlassian
Stacks & Queues	Reverse first k elements of queue	Microsoft + Amdocs
Stacks & Queues	Design Stack with Middle Operation	MaQ Software
Stacks & Queues	Infix to Postfix	Amazon + Samsung + Paytm + Vmware inc
Stacks & Queues	Design and Implement Special stack	Amazon Google Microsoft Visa Goldman Sachs
Stacks & Queues	Longest Valid String	Google Microsoft

Stacks & Queues	Find if an expression has duplicate parenthesis or not	Flipkart Oracle OYO Rooms Snapdeal Walmart Yatra.com Microsoft Google
Stacks & Queues	Stack permutations check if an array is stack permutation of other	Visa
Stacks & Queues	Count natural numbers whose permutation greater number	Amazon
Stacks & Queues	Sort a stack using Recursion	Amazon Goldman Sachs IBM Intuit Kuliza Yahoo Microsoft
Stacks & Queues	Queue based approach for first non repeating character in a stream	Microsoft Flipkart
Stacks & Queues	The Celebrity Problem	Google + Visa + Apple
Stacks & Queues	Next larger Element	Visa
Stacks & Queues	Distance of nearest cell	Flipkar + Facebook
Stacks & Queues	Rotten-oranges	Facebook
Stacks & Queues	Next smaller element	Codenation
Stacks & Queues	Circular-tour	Codenation Flipkart
Stacks & Queues	Efficiently implement k-stacks single array	Flipkart
Stacks & Queues	The celebrity problem	Google + Visa + Apple
Stacks & Queues	Iterative tower of hanoi	Microsoft Flipkart
Stacks & Queues	Find the maximum of minimums for	Amazon Microsoft Flipkart

	every window size in a given array	
Stacks & Queues	lru cache implementation	Microsoft + Uber + Alibaba
Stacks & Queues	Find a tour that visits all stations	Uber
Greedy	Activity selection problem greedy algo	Facebook Morgan Stanley Flipkart
Greedy	Greedy algorithm to find minimum number of coins	Accolite Amazon Morgan Stanley Oracle Paytm Samsung Snapdeal Synopsys Visa Microsoft Google
Greedy	Minimum sum two numbers formed digits array-2	Google
Greedy	Minimum sum absolute difference pairs two arrays	Amazon
Greedy	Find maximum height pyramid from the given array of objects	Flipkart Amazon
Greedy	Minimum cost for acquiring all coins with k extra coins allowed with every coin	
Greedy	Find maximum equal sum of every three stacks	Microsoft Amazon Flipkart
Greedy	Job sequencing problem	Microsoft + Acolite
Greedy	Greedy algorithm egyptian fraction	

Greedy	Fractional knapsack problem	Microsoft
Greedy	Maximum length chain of pairs	Amazon Microsoft
Greedy	Find smallest number with given number of digits and digit sum	MAQ Software OYO Rooms
Greedy	Maximize sum of consecutive differences circular-array	Maccafe
Greedy	paper-cut minimum number squares	Google
Greedy	Lexicographically smallest array-k consecutive swaps	Amazon
Greedy	Problems-CHOCOLA	Flipkart
Greedy	Find minimum time to finish all jobs with given constraints	
Greedy	Job sequencing using disjoint set union	Samsung
Greedy	Rearrange characters string such that no two adjacent are same	Amazon Microsoft
Greedy	Minimum edges to reverse to make path from a source to a destination	
Greedy	Minimize Cash Flow among a given set of friends who have borrowed	

	money from each other	
Greedy	Minimum Cost to cut a board into squares	Maccafe
Binary Trees	Maximum Depth of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTrip
Binary Trees	Reverse Level Order Traversal	Amazon + Microsoft + flipkart + Adobe
Binary Trees	Subtree of Another Tree	Amazon + Microsoft + Facebook
Binary Trees	Invert Binary Tree	Amazon Hike
Binary Trees	Binary Tree Level Order Traversal	Accolite Adobe Amazon Cisco D-E-Shaw Flipkart
Binary Trees	Left View of Binary Tree	Microsoft + Adobe + Cisco Networking Academy
Binary Trees	Right View of Binary Tree	Amdocs
Binary Trees	ZigZag Tree Traversal	Amazon Cisco FactSet Hike Snapdeal Walmart Microsoft Flipkart
Binary Trees	Create a mirror tree from the given binary tree	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanley Myntra Ola Cabs Paytm
Binary Trees	Leaf at same level	Amazon
Binary Trees	Check for Balanced Tree	Amazon Walmart Microsoft
Binary Trees	Transform to Sum Tree	Amazon FactSet Microsoft Samsung Walmart
Binary Trees	Check if Tree is Isomorphic	Amazon Microsoft
Binary Trees	Same Tree	Amazon Microsoft Flipkart
Binary Trees	Construct Binary Tree from Preorder and Inorder Traversal	Accolite Amazon Microsoft

Binary Trees	Height of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTrip
Binary Trees	Diameter of a Binary Tree	Amazon Microsoft OYO Rooms
Binary Trees	Top View of Binary Tree	Microsoft + Adobe + Expedia Group
Binary Trees	Bottom View of Binary Tree	DE Shaw India
Binary Trees	Diagonal Traversal of Binary Tree	Amazon Microsoft
Binary Trees	Boundary Traversal of binary tree	Accolite Amazon FactSet Hike Kritikal Solutions
Binary Trees	Construct Binary Tree from String with Brackets	Microsoft Morgan Stanley OYO Rooms Payu Samsung Snapdeal Flipkart
Binary Trees	Minimum swap required to convert binary tree to binary search tree	Adobe Amazon
Binary Trees	Duplicate subtree in Binary Tree	Google
Binary Trees	Check if a given graph is tree or not	Microsoft Amazon
Binary Trees	Lowest Common Ancestor in a Binary Tree	Accolite Amazon American Express Cisco Expedia Flipkart MakeMyTrip Microsoft OYO Room
Binary Trees	Min distance between two given nodes of a Binary Tree	Amazon Linkedin MakeMyTrip Ola Cabs Qualcomm Samsung
Binary Trees	Duplicate Subtrees	Ola
Binary Trees	Kth ancestor of a node in binary tree	Josh Technology Group
Binary Trees	Binary Tree Maximum Path Sum	Samsung + Facebook

Binary Trees	Serialize and Deserialize Binary Tree	Flipkart InMobi Linkedin MAQ Software Microsoft Paytm Quikr Yahoo
Binary Trees	Binary Tree to DLL	Accolite Amazon Goldman Sachs Microsoft Morgan Stanley Salesforce Snapdeal
Binary Trees	Print all k-sum paths in a binary tree	Accolite Amazon Goldman Sachs
Binary Search Trees	Lowest Common Ancestor of a Binary Search Tree	Accolite Amazon Flipkart MAQ Software Microsoft Samsung Synopsys
Binary Search Trees	Binary Search Tree | Set 1 (Search and Insertion)	Accolite Amazon Microsoft Paytm Samsung
Binary Search Trees	Minimum element in BST	Microsoft
Binary Search Trees	Predecessor and Successor	Google + Adobe + Goladman Sachs + Direct
Binary Search Trees	Check whether BST contains Dead End	Walmart
Binary Search Trees	Binary Tree to BST	HSBC
Binary Search Trees	Kth largest element in BST	Accolite Amazon Samsung SAP Labs Microsoft
Binary Search Trees	Validate Binary Search Tree	OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Facebook
Binary Search Trees	Kth Smallest Element in a BST	Accolite Amazon Google
Binary Search Trees	Delete Node in a BST	Adobe Barclays

Binary Search Trees	Flatten BST to sorted list	Microsoft
Binary Search Trees	Preorder to Postorder	Amazon Linkedin Flipkart
Binary Search Trees	Count BST nodes that lie in a given range	D-E-Shaw Google
Binary Search Trees	Populate Inorder Successor for all Nodes	Sap labs
Binary Search Trees	Convert Normal BST to Balanced BST	Paytm
Binary Search Trees	Merge two BSTs	DE Shaw India
Binary Search Trees	Given n appointments, find all conflicting appointments	Samsung
Binary Search Trees	Replace every element	Samsung
Binary Search Trees	Construct BST from given preorder traversal	Adobe Morgan Stanley Microsoft
Binary Search Trees	Find median of BST in O(n) time and O(1) space	Amazon
Binary Search Trees	Largest BST in a Binary Tree	Amazon D-E-Shaw Samsung Microsoft Flipkart
Heaps & Hashing	Choose k array elements such that difference of maximum and minimum is minimized	

Heaps & Hashing	Heap Sort	Adobe
Heaps & Hashing	Top K Frequent Elements	Amazon Microsoft
Heaps & Hashing	k largest elements in an array	Amazon Microsoft Walmart Adobe
Heaps & Hashing	Next Greater Element	Amazon + Microsoft + Flipkart + Adobe
Heaps & Hashing	K’th Smallest/Largest Element in Unsorted Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Heaps & Hashing	Find the maximum repeating number in O(n) time and O(1) extra space	Accolite Amazon
Heaps & Hashing	K-th smallest element after removing some integers from natural numbers	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Heaps & Hashing	Find k closest elements to a given value	Amazon OYO Rooms
Heaps & Hashing	K’th largest element in a stream	Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart
Heaps & Hashing	Connect Ropes	Amazoon + Oyo + Goldman Sachs
Heaps & Hashing	Cuckoo Hashing	Amaxon
Heaps & Hashing	Itinerary from a List of Tickets	Microsoft + Ola + eBay
Heaps & Hashing	Largest Subarray with 0 Sum	Amazon MakeMyTrip Microsoft
Heaps & Hashing	Count distinct elements in every window of size k	Accolite Amazon Microsoft
Heaps & Hashing	Group Shifted Strings	Oracle

Heaps & Hashing	Merge K Sorted lists	Microsoft + Ola + eBay
Heaps & Hashing	Find Median from Data Stream	Adobe Amazon Apple Belzabar D-E-Shaw Facebook Flipkart Google Intuit Microsoft Morgan Stanley Ola Cabs Oracle Samsung SAP Labs Yahoo
Heaps & Hashing	Sliding Window Maximum	Amazon Directi Flipkart Microsoft Google
Heaps & Hashing	Find the smallest positive number	Accolite Amazon Samsung Snapdeal
Heaps & Hashing	Find Surpasser Count of each element in array	Amazon Morgan Stanley Ola Cabs SAP Labs
Heaps & Hashing	Tournament Tree and Binary Heap	Amazon Ola Cabs Samsung Synopsys Walmart Microsoft
Heaps & Hashing	Check for palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho
Heaps & Hashing	Length of the largest subarray with contiguous elements	Amazon Intuit Microsoft
Heaps & Hashing	Palindrome Substring Queries	Amazon Morgan Stanley Ola Cabs SAP Labs
Heaps & Hashing	Subarray distinct elements	Microsoft + Ola + eBay
Heaps & Hashing	Find the recurring function	MAQ Software
Heaps & Hashing	K maximum sum combinations from two arrays	Amazon
Graphs	BFS	Samsung + Delhivery + SAP Labs
Graphs	DFS	Samsung + Intuit + Goldman Sachs
Graphs	Flood Fill Algorithm	Google + Adobe + Apple
Graphs	Number of Triangles	IBM

Graphs	Detect cycle in a graph	Lenksart
Graphs	Detect cycle in an undirected graph	Samsung
Graphs	Rat in a Maze Problem	Sharechat + Directi
Graphs	Steps by Knight	Samsung
Graphs	Clone graph	Google + MAQ Software + Apple + Facebook
Graphs	Number of Operations to Make Network Connected	Samsung
Graphs	Dijkstra’s shortest path algorithm	Amazon
Graphs	Topological Sort	Amazon + Google + Flipkart + Oyo + Fipkart + Samsung
Graphs	Oliver and the Game	Sharechat + Directi
Graphs	Minimum time taken by each job to be completed given by a Directed Acyclic Graph	Amazon
Graphs	Find whether it is possible to finish all tasks or not from given dependencies	Directi + Sharechat
Graphs	Find the number of islands	Razorpay
Graphs	Prim's Algo	Visa
Graphs	Negative Weighted Cycle	Amazon
Graphs	Floyd Warshall	Google + Uber
Graphs	Graph Coloring	Morgan Stanley
Graphs	Snakes and Ladders	Goldman Sachs +Makemytrip

Graphs	Kosaraju's Theorem	Paytm
Graphs	Journey to moon	Lenksart + Payload
Graphs	Vertex Cover	Intuit
Graphs	M Coloring Problem	Uber
Graphs	Cheapest Flights Within K Stops	Uber + Paypal
Graphs	Find if there is a path of more than k length from a source	Cisco + Intuit
Graphs	Bellman Ford	Sharechat + Directi
Graphs	Bipartitie Graph	Microsoft Flipkart
Graphs	Word-Ladder	Microsoft
Graphs	Allen Dictionary	Samsung
Graphs	Kruskals MST	Amazon Cisco Samsung
Graphs	Total number spanning trees graph	Amazon Cisco Samsung Microsoft Flipkart
Graphs	Travelling Salesman	Google + Microsoft + Opera
Graphs	Find longest path directed acyclic graph	Google
Graphs	Two Clique Problem	Microsoft
Graphs	Minimise the cash flow	Intuit + Uber
Graphs	Chinese postman	Intuit
Graphs	Water Jug	Intuit + Uber
Graphs	Water Jug 2	MakeMyTrip MAQ Software
Tries	Construct a trie from scratch	Accolite Amazon D-E-Shaw FactSet Microsoft
Tries	Print unique rows in a given boolean matrix	Amazon Zoho

Tries	Word Break Problem | (Trie solution)	Amazon Google Hike IBM MAQ Software Microsoft Walmart Zoho
Tries	Given a sequence of words, print all anagrams together	Amazon D-E-Shaw Goldman Sachs Morgan Stanley Snapdeal Microsoft
Tries	Find shortest unique prefix for every word in a given list	Microsoft Google
Tries	Implement a Phone Directory	Amazon + Microsoft + Snapdeal
DP	Knapsack with Duplicate Items	Amazon
DP	BBT counter	Microsoft
DP	Reach a given score	Samsung
DP	Maximum difference of zeros and ones in binary string	Ola
DP	Climbing Stairs	Intuit
DP	Permutation Coefficient	Amazon
DP	Longest Repeating Subsequence	Google + Amazon
DP	Pairs with specific difference	Ola
DP	Longest subsequence-1	Amazon
DP	Coin Change	Microsoft+ Samsung + Barclays + Apple + Adobe
DP	LIS	Amazon + Google + Facebook + Fidelity International
DP	Longest Common Subsequence	Siemens + Amazon + Google
DP	Word Break	Amazon + Google + Microsoft + Walmart + Apple + IBM

DP	Combination Sum IV	Adobe Amazon Microsoft
DP	House Robber	Apple + Uber
DP	Houe Robber 2	Arrays Dynamic Programming
DP	Decode Ways	Adobe + Uber
DP	Unique Paths	Google + Microsoft
DP	Jumps Game	Facebook Amazon Microsoft Google
DP	Knapsack Problem	Amazon Directi Flipkart GreyOrange Microsoft Mobicip Morgan Stanley Oracle Payu Snapdeal Visa
DP	nCr	Google
DP	Catalan Number	Amazon + Google
DP	Edit Distance	Google + Goldman Sachs + Citrix
DP	Subset Sum	Amazon + Google
DP	Gold mine	Samsung
DP	Assembly Line Scheduling	Goldman Sachs
DP	Maximize The Cut Segments	Amazon OYO Rooms Microsoft
DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft
DP	Count all subsequences having product less than K	Goldman Sachs
DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft
DP	Egg dropping puzzle	Amazon D-E-Shaw Goldman Sachs Google Hike MakeMyTrip MAQ Software Myntra Nearbuy Opera Oracle Philips Samsung Service Now Unisys VMWare Microsoft
DP	Max length chain	Amazon Microsoft
DP	Largest Square in Matrix	Amazon Samsung
DP	Maximum Path Sum	Amazon + Microsoft + Oyo + Directi
DP	Minimum Number of Jumps	Adobe Amazon Housing.com Moonfrog Labs Walmart Microsoft Google Flipkart

DP	Minimum removals from array to make max – min <= K	Amazon
DP	Longest Common Substring	Webarch Club
DP	Partition Equal Subset Sum	Amazon + Accolite + Traveloca + Adobe
DP	Longest Palindromic Subsequnce	Amazon Google
DP	Count Palindromic Subsequences	Myntra
DP	Longest Palindromic Substring	Amazon + Microsoft + Samsung + Visa
DP	Longest Alternating Sequence	Ola
DP	Weighted Job Scheduling	Intuit
DP	Coin Game	Salesforce
DP	Coin Game Winner	Ola
DP	Optimal Strategy for a game	Google + IBM
DP	Word Wrap	Microsoft
DP	Mobile numeric keypad	Amazon Microsoft
DP	Maximum Length of Pair Chain	Amazon Microsoft
DP	Matrix Chain Multiplication	Walmart + Flipkart
DP	Maximum profit by buying and selling a share at most twice	Accolite Amazon Microsoft
DP	Optimal BST	Google
DP	Largest Submatrix with sum 0	Amazon MakeMyTrip Microsoft

DP	Largest area rectangular sub-matrix with equal number of 1’s and 0’s	Amazon Directi Intuit MakeMyTrip Microsoft Samsung Google Flipkart
Bit Manipulation	Count set bits in an integer	Adobe Apple
Bit Manipulation	Find the two non-repeating elements in an array of repeating elements	Accolite Amazon FactSet Google MakeMyTrip Microsoft Qualcomm Samsung
Bit Manipulation	Program to find whether a no is power of two	Adobe
Bit Manipulation	Find position of the only set bit	Microsoft
Bit Manipulation	Count number of bits to be flipped to convert A to B	Maq Software
Bit Manipulation	Count total set bits in all numbers from 1 to n	Microsoft
Bit Manipulation	Copy set bits in a range	Facebook
Bit Manipulation	Calculate square of a number without using *, / and pow()	Amazon
Bit Manipulation	Divide two integers without using multiplication, division and mod operator	Microsoft

Bit Manipulation	Power Set	Google + Adobe + Paytm
Segment Trees	Range Sum Query - Immutable	
Segment Trees	Range Minimum Query	Google Interview Qs
Segment Trees	Range Sum Query - Mutable	Alibaba
Segment Trees	Create Sorted Array through Instructions	Samsung + Accolite
Segment Trees	Count of Range Sum	Walmart
Segment Trees	Count of Smaller Numbers After Self	Codenation Google

Java Singly Linked List Programs

1) Singly linked list Examples in Java

2) Java Program to create and display a singly linked list

3) Java program to create a singly linked list of n nodes and count the number of nodes

4) Java program to create a singly linked list of n nodes and display it in reverse order

5) Java program to delete a node from the beginning of the singly linked list

6) Java program to delete a node from the middle of the singly linked list

7) Java program to delete a node from the end of the singly linked list

8) Java program to determine whether a singly linked list is the palindrome

9) Java program to find the maximum and minimum value node from a linked list

10) Java Program to insert a new node at the middle of the singly linked list

11) Java program to insert a new node at the beginning of the singly linked list

12) Java program to insert a new node at the end of the singly linked list

13) Java program to remove duplicate elements from a singly linked list

14) Java Program to search an element in a singly linked list

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Java Circular Linked List Programs

1) Java program to create and display a Circular Linked List

2) Java program to create a Circular Linked List of N nodes and count the number of nodes

3) Java program to create a Circular Linked List of n nodes and display it in reverse order

4) Java program to delete a node from the beginning of the Circular Linked List

5) Java program to delete a node from the end of the Circular Linked List

6) Java program to delete a node from the middle of the Circular Linked List

7) Java program to find the maximum and minimum value node from a circular linked list

8) Java program to insert a new node at the beginning of the Circular Linked List

9) Java program to insert a new node at the end of the Circular Linked List

10) Java program to insert a new node at the middle of the Circular Linked List

11) Java program to remove duplicate elements from a Circular Linked List

12) Java program to search an element in a Circular Linked List

13) Java program to sort the elements of the Circular Linked List

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Java Doubly Linked List Programs

1) Java program to convert a given binary tree to doubly linked list

2) Java program to create a doubly linked list from a ternary tree

3) Java program to create a doubly linked list of n nodes and count the number of nodes

4) Java program to create a doubly linked list of n nodes and display it in reverse order

5) Java program to create and display a doubly linked list

6) Java program to delete a new node from the beginning of the doubly linked list

7) Java program to delete a new node from the end of the doubly linked list

8) Java program to delete a new node from the middle of the doubly linked list

9) Java program to find the maximum and minimum value node from a doubly linked list

10) Java program to insert a new node at the beginning of the Doubly Linked list

10) Java program to insert a new node at the end of the Doubly Linked List

12) Java program to insert a new node at the middle of the Doubly Linked List

13) Java program to remove duplicate elements from a Doubly Linked List

14) Java program to rotate doubly linked list by N nodes

15) Java program to search an element in a doubly linked list

16) Java program to sort the elements of the doubly linked list

Java Tree Programs

1) Java Program to calculate the Difference between the Sum of the Odd Level and the Even Level Nodes of a Binary Tree

2) Java program to construct a Binary Search Tree and perform deletion and In-order traversal

3) Java program to convert Binary Tree to Binary Search Tree

4) Java program to determine whether all leaves are at same level

5) Java program to determine whether two trees are identical

6) Java program to find maximum width of a binary tree

7) Java program to find the largest element in a Binary Tree

8) Java program to find the maximum depth or height of a tree

9) Java program to find the nodes which are at the maximum distance in a Binary Tree

10) Java program to find the smallest element in a tree

11) Java program to find the sum of all the nodes of a binary tree

12) Java program to find the total number of possible Binary Search Trees with N keys

13) Java program to implement Binary Tree using the Linked List

14) Java program to search a node in a Binary Tree

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