

JAVA 50 QUESTIONS FOR BEGINNERS

Loops & Array

1. Write a program to print numbers from 1 to 10, excluding 4,7,8.
2. Given an array of 1 to n numbers with one number missing, write a program to print the missing number.
3. Write a program to print the sum of all even numbers from 1 to n.
4. Write a program to print the sum of all odd numbers from 1 to n.
5. Write a program to print the composite numbers (non-prime numbers) from 1 to n.
6. Given three random integers, find whether they will form right angles triangle or not.
7. Given an integer array, find which two elements gives the maximum product.
8. Write a program to find the first and last digits of an integer number.
9. Write a program to swap the first and last digit of a given number.
10. Write a program to find the length of an integer number.
11. Write a program to find to calculate the sum of all digits in a given number.
12. Write a program to print the array of integers in reverse order.
13. Write a program to find the greatest of three numbers without using Max function.
14. Write a program to find the maximum from the given array without using Max function..
15. Write a program to find the distinct and duplicates elements from an array.
16. Write a program to print the frequency of each digit in a given number.
17. Write a program to sort an array in ascending order without using any inbuilt functions.
18. Write a program to sort an array in descending order without using any inbuilt functions.
19. Write a program to sort the first 4 elements of an array.
20. Write a program to swap two values in a variable.
21. Write a program to swap two values in a variable without using third variable.
22. Given a number, calculate the sum of all even digits and all odd digits separately in a given number.

Strings

23. Write a program to remove the leading and trailing white spaces from a String
24. Write a program to reverse a string without using the reverse function.
25. Write a program to find whether a string is palindrome or not.
26. Write a program to print the frequency of each character in a given number.
27. Write a program to the least occurring character from a given string.
28. Write a program to the most occurring character from a given string.
29. Write a program to convert the numeric String to an int.
30. Given a string "AAABBCDA", write a program that give the output as "A4B2C1D1".
31. Given a string 'ABC CORPORATION CENTER', find the index of second last 'C'.
32. Given a string like "abds323a4b45a", write a program to find the count the number of digits present in the string.

33. Given a string like "abds323a4b45a", write a program to find the sum of each digit present in the string.
34. Given a String 'HELLO, HOW ARE YOU', print all the vowels that occurred in the string.
35. Given a string like "abds323a47b5a", write a program to find the sum of each number present in the string. A number is considered when it is followed by another number. O/P -> 323+47+5=370.
36. Write a program to add the two string in time format (HH:MM) without using date time library.
37. Write a program to convert 'GooD MorNinG' to gOOd mORnIng without using toUpperCase and toLowerCase functionality.
38. Given a string "How are you. Mr", write a program to print letter/letters after "."
39. Write a program to print the next letter of each character from a given String. Ex -> I/P = HARI, O/P = "IBSJ".
40. Given a string abc_u@gmail.com, find whether it is valid email address or not.
A valid email will have the format "a-z. @gmail.domain"
Domain can be "com, in, eu, us"
41. Write a program to rotate a string. Eg. "ABCD" to "DABC".
42. Write a program to find all the permutations of a String. String will not contain any duplicates.
Eg. I/P "xyz", O/P->"xyz", "yzx", "zxy", "xzy", "yxz", "zyx".
43. Write a program to remove all the white spaces in a string.
44. Given a string "ABCBCBAABCB", count the occurrence of "BCB"

Collections

45. Write a program to convert a list to an array.
46. Write a program that defines a person class with attributes firstName, lastName, and age. Given a list of 10 persons (List<Person>), sort the list by implementing the Comparable interface by age.
47. Write a program that defines a person class with attributes firstName, lastName, and age. Given a list of 10 persons (List<Person>), sort the list by implementing the Comparator interface by firstName.
48. Write a program that defines a person class with attributes firstName, lastName, and age. Given a map grouped by age.
49. How to reverse an ArrayList in java.
50. Given a list, how would you convert it to an unmodifiable list.