**JAVA Questions**

1 - Sum of two integers

2- Print the message along with values and sum

Ex - The sum of 45 & 12 = 57

3- Accept two integers from user and print the sum

Ex - The sum of 45 & 12 = 57

4- Accept the User's name, age and print in following manner

Ex - Hello Shery, you are 12 years old.

5- Accept the length and width of a rectangle. Calculate & print the area and perimeter.

6- Solve Increment & decrement operator questions on

https://javaconceptoftheday.com/quiz-on-increment-and-decrement-operators/

7- Accept the marks of Robert in three subjects Maths, Computer, English respectively (each out of 100 ),

Write a program to calculate his total marks and percentage marks.

8- Write a program to accept temperature in Fahrenheit & convert into Celsius. (Look for the formula on internet)

9- Accept the Principle amount, time & rate of interest and calculate the Simple Interest

10- Take 3 int inputs from user and check and print the result.

all are equal

any of two are equal

( use && || )

11- Accept the gender from the user as char and print the respective greeting message

Ex - Good Morning Sir (on the basis of gender)

12- Extend the previous program and handle the wrong inputs.

Print Good Morning sir for input m or M & Good morning Maam for input F or f

else print Wrong Input

13- Accept an integer and check whether it is an even number or odd.

14- Accept name and age from the user. Check if the user is a valid voter or not.

Vaid - Hello Shery, You are a valid voter.

Invalid - Sorry Shery, you can't cast the vote.

Part 2 - Print after how many years the user will be eligible

15- Accept the parameters and calculate the Compound Interest & print it on STDOUT (Use Math class methods)

16- Accept the three sides of triangle and calculate the area using heron’s formula

17- Accept the value of a, b, c - The values in a quadratic equation and find its roots.

18- Accept two numbers and print the greatest between them

19- Accept three numbers and print the greatest among them

20- Accept a year and check if it a leap year or not (google to find out what's a leap year)

21- Shop discount - Description on Graphic

22- Bijli Bill - Description on Graphic

23- INR Denomination - Description on Graphic

24- Accept a day number between 1-7 and print the corresponding dynamic.

25- Print natural number up to n, n to 1.

26- Take a number as input and print its table

5 \* 1 = 5

5 \* 2 = 10 ... up to 10 terms

27- Sum up to n terms.

28- Factorial of a number

29- Separate each digit of a number and print it on the new line

30- Sum of digits of a number, 936 = 18

31- Print all the factors of a number.

32- Print the sum of all factors of a number, 50 - 1 + 2 + 5 + 10 + 25 = 43

33- Accept a number and check if it a perfect number or not.

A number whose sum of factors(excluding number itself) = Number

Ex - 6 = 1, 2, 3 = 6

34- Print the sum of all even & odd numbers in a range seperately.

35- Print all the numbers which are either divisible by 3 or 5 in a range

36- Print hello until user gives wrong input using do while

37- Make a choice based calculator using do while

38- Check if the number is Prime or not.

39- Accept a number and print its reverse

40- Accept a number and check if it is a pallindromic number (If number and its reverse are equal)

Ex - 12321 - Rerverse - 12321

41- Accept a number and check if it is a armstrong number (Sum of cube of all digits will be equal to origional number)

Ex - 407 = 64 + 0 + 343 = 407

153 = 1 + 125 + 27 = 153

42- Accept a number and check if it is a strong number or not (Sum of factorial of each digit)

Ex- 145 = 1! + 4! + 5! = 145

43- Accept a number and check if it is a Harshad number

Harshad number is a number or an integer which is completely divisible by sum of its digits.

Ex - 24 = Sum of 2+4 = 6 & 24%6 = 0

44- Automorphic number 5 = 25 = 625 = 390625

45- Multi digit multiplication 123 \* 456

46.1- Right Triangle - Star

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46.2- Right Triangle - Number

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

46.3- Right Triangle - Alphabet

A

A B

A B C

A B C D

A B C D E

47- Inverted Right Triangle

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48- Mirrored Right Triangle

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49- Mirrored Inverted Right Triangle

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50- Triangle

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51- Inverted Triangle

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52- Diamond or Kite

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53- V - Min Height = 3

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54- X

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55- Hollow Rectangle

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56- Choice based weeday

57- Choice calc

58- Restuarent

59- Labra Number SOD is completely divisible by count of digits = 456 = 15/3 = 0 , = 96 = 15/2

60- Accept size n from user and create a n size array then take n inputs into the and finally

Print the sum of all elements in the array in the following manner

10 + 20 + 30 = 60

61- Find the greatest element and print its index too.

{2, 96, 69, 77, 145, 20} = Max element = 145 found at 4 index

62- Find the smallest element and print its index too.

{2, 96, 69, 77, 145, 20} = Min element = 2 found at 0 index

63- Find the second greatest element

{2, 96, 69, 77, 145, 20} = Second greatest element = 96

64- Array left Rotation by 1

65-Array right Rotation by 1

66- Array left rotation by K elements

67- Can you Do it in O(n) ?

68- Array rigth rotation by K elements

69- Can you Do it in O(n) ?

70- Array Reverse Using Extra space

71- Array Reverse Without Using Extra space

72- Linear Search an array - If element found print the index else -1

73- Binary Search. If element found print the index else -1

74- Bubble Sort.

75- Strong number using methods

76- Check if a number is X or not. X is the number whole repeated sum of digits is equal to 1

Ex- 109 = 1 + 0 + 9 = 10 = 1 + 0 = 1 - Keep adding digits untill it becomes a single digit number

77- Fibonacci series - 0, 1, 1, 2, 3, 5, 8, 13, 21...

78- Generate 4 digit OTP

79- Leetcode 1929 - Concatenation of array

80- Leetcode 1920 - Build Array from Permutation

81- Leetcode 1470 - Shuffle the Array

82- Accept a string from user and print its each character on a new line

83- Accept a string and print it in reverse order

84- Check if the string is Pallindromic or not

85- Pallindromic String using method and Two pointer algorithm (hint: Array reverse algo)

86- Count vowels and consonents in a string

87- Toggle each alphabet of String

In - AcgDfD Output - aCGdFd

88- Accept a space seperated sentence and split in into words. Print each word on a new line with first letter capitalized.

IN- Hello bhai kaise ho

OP- Hello

Bhai

Kaise

Ho

89- Extend the prev question and capitalize first & last character of each word in the sentence and print the new sentence

Ex - Hello bhai Kaise ho a

HellO BhaI KaisE HO A

90- Accept a string and print the frequency of each character present in the string