September 08, 2022

Programs for Practice

Write a:

01) Java Program to Read the Number from Standard Input

02) Java Program to Multiply Two Floating-Point Numbers

03) Java Program to Swap Two Numbers

04) Java Program to Find Largest Among 3 Numbers

05) Java Program to Find LCM of 2 numbers

06) Java Program to Find GCD or HCF of 2 numbers

07) Java Program to Display All Prime Numbers from 1 to N

08) Java Program to Check Leap Year

09) Java Program to Check Armstrong Number between two Integers

For eg:

Input: 100 200

Output :153

Explanation: 100 and 200 are given two integers.

153 = 1*1*1 + 5*5*5 + 3*3*3

= 1 + 125 + 27

= 153

Therefore, only 153 is an Armstrong number between 100 and 200.

10) Java Program to Check whether the input number is a Neon Number

For eg:

Case 1:

Input : 9

Output: Given number 9 is Neon number

Explanation: square of 9=9*9=81;

sum of digit of square : 8+1=9 (which is equal to given number)

Case 2:

Input: 8

Output: Given number is not a Neon number

Explanation: square of 8=8*8=64

sum of digit of square : 6+4=10 (which is not equal to given number)

11) Java Program to Check whether input character is vowel or consonant

12) Java Program to Find Factorial of a number

13) Java Program to Find Even Sum of Fibonacci Series till number N

For eg:

Input: n = 4

Output: 33

N=4, So here the fibonacci series will be produced from 0th term till 8th term:

0, 1, 1, 2, 3, 5, 8, 13, 21

Sum of numbers at even indexes = 0 + 1 + 3 + 8 + 21 = 33.

Input: n = 7

Output: 609

0 + 1 + 3 + 8 + 21 + 55 + 144 + 377 = 609.

14) Java Program to Find the Perimeter of a Rectangle

Perimeter = 2(length + width)

15) Java Program to print all Strong numbers less than or equal to N

Strong number is a special number whose sum of the factorial of digits is equal to the original number.

For Example: 145 is strong number. Since, 1! + 4! + 5! = 145.