

Core Java Assignment - 001 - Logic Building

Q. Fibonacci series

Write a java program to print Fibonacci series without using recursion and using recursion.

Input: 10

Output: 0 1 1 2 3 5 8 13 21 34

Q. Prime number

Write a java program to check prime number.

Input: 44

Output: not prime number

Input: 7

Output: prime number

Q. Palindrome number

Write a java program to check palindrome number.

Input: 329

Output: not palindrome number

Input: 12321

Output: palindrome number

Q. Factorial number

Write a java program to print factorial of a number.

Input: 5

Output: 120

Input: 6

Output: 720

Q. Armstrong number (Note- A number is Armstrong if the sum of the cubes of digit of number is equal to the number.)

Write a java program to check Armstrong number.

Input: 153

Output: Armstrong number

Input: 22

Output: not Armstrong number

Q. Write a Java program to print the area and perimeter of a circle.



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Q. Write a Java program to swap two variables.

Q. Write a Java program to check whether Java is installed on your computer.

Expected Output

Java Version: 1.8.0_71

Java Runtime Version: 1.8.0_71-b15

Java Home: /opt/jdk/jdk1.8.0_71/jre

Java Vendor: Oracle Corporation

Java Vendor URL: <http://java.oracle.com/>

Java Class Path: .

Q. Swap Numbers Without Using Third Variable Java Example

Q. Java Factorial Example

Q. Java Factorial Using Recursion Example

Q. Write a Java program and compute the sum of the digits of an integer.

Input an integer: 25

Expected Output

The sum of the digits is: 7

Q. Write a Java program to reverse a string.

Input a string: The quick brown fox

Expected Output

Reverse string: xof nworb kciuq ehT

Q. Write a Java program to count the letters, spaces, numbers and other characters of an input string.

The string is: Aa kiu, I swd skieo 236587. GH kiu: sieo?? 25.33

letter: 23

space: 9

number: 10

other: 6



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