Java Assignment

Topics : class, interface, final, abstract, static, extends, implements, access specifier, arrays, flowcontrol, datatypes

1. Write a program which accepts an integer number as input from the user and perform the following conditional checks:

    a. Print Tom if number is odd and exists between 20 to 30

    b. Print Jerry, if number is even and exists between 20 and 30

2. Write a program which accepts a number as input and check whether the given number is palindrome or not If it is a palindrome then

    a. Add all the even numbers and check whether the sum is more than 25.

    b. Print success and failure messages for all 3 conditions

    Input: `2468642`

    Output: `2468642 is palindrome and the sum of even numbers is greater than 25`

    Input: `12345`

    Output: `12345 is not palindrome`

    Input: `12345654321`

    Output: `12345654321 is palindrome and sum of even numbers is less than 25`

3. Write a program that reads an unspecified number of integer arguments using Scanner Class and adds them together. The program should display the total of the given input number and should only consider integer value.The program should display an error message if there are any non-integer values

    Input : 12 23 2 4

    Output : 41

4. Write a program to find whether input integer is Unique or not.

    A Unique number is a positive integer (without leading zeros) with no duplicate digits. For example 7, 135, 214 are all unique numbers whereas 33, 3121, 300 are not.