Write a program to print the first n perfect numbers. (Hint Perfect number means **a positive integer that is equal to the sum of its proper divisors)**

**CODE:**

import java.util.Scanner;

public class PerfectNumbers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input n

System.out.print("Enter the value of n to print the first n perfect numbers: ");

int n = scanner.nextInt();

// Print the first n perfect numbers

int count = 0;

for (int i = 1; count < n; i++) {

if (isPerfectNumber(i)) {

System.out.println(i);

count++;

}

}

}

// Function to check if a number is a perfect number

public static boolean isPerfectNumber(int num) {

int sum = 0;

for (int i = 1; i <= num / 2; i++) {

if (num % i == 0) {

sum += i;

}

}

return sum == num;

}

}

OUTPUT:

C:\javap>javac PerfectNumbers.java

C:\javap>java PerfectNumbers

Enter the value of n to print the first n perfect numbers: 2

6

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