```java
1/*Exp10_pl2 Aim::Write a program to perform division of two numbers accepted from user.
4package pkg3;
5import java.io.BufferedReader;
6import java.io.IOException;
7import java.io.InputStreamReader;
8public class NestedDivisionCalculator {
9    public static void main(String[] args) {
10        System.out.println("~A CODE BY KASHISH GUPTA");
11        BufferedReader reader = new BufferedReader(new InputStreamReader(System.in));
12        try {
13            System.out.print("Enter the first number (dividend): ");
14            String input1 = reader.readLine();
15            double dividend = Double.parseDouble(input1);
16            try {
17                System.out.print("Enter the second number (divisor): ");
18                String input2 = reader.readLine();
19                double divisor = Double.parseDouble(input2);
20                try {
21                    double result = dividend / divisor;
22                    System.out.println("Result: " + result);
23                } catch (ArithmeticException e) {
24                    System.out.println("Error: Division by zero is not allowed."); }
25            } catch (NumberFormatException e) {
26                System.out.println("Error: Invalid input for the divisor. Please enter a
   numeric value.");    }
27        } catch (IOException e) {
28            System.out.println("Error: An input/output error occurred.");
29        } catch (NumberFormatException e) {
30            System.out.println("Error: Invalid input for the dividend. Please enter a
   numeric value."); }
31    }
32}
33
```