*import java.util.InputMismatchException;*

*import java.util.Scanner;*

*public class ExceptionHandlingDemo {*

*public static void main(String[] args) {*

*Scanner scanner = new Scanner(System.in);*

*try {*

*// Get input from the user*

*System.out.print("Enter numerator: ");*

*int numerator = scanner.nextInt();*

*System.out.print("Enter denominator: ");*

*int denominator = scanner.nextInt();*

*// Perform division*

*double result = divide(numerator, denominator);*

*// Display the result*

*System.out.println("Result of division: " + result);*

*} catch (InputMismatchException e) {*

*// Handle non-numeric input*

*System.out.println("Invalid input. Please enter numeric values.");*

*} catch (ArithmeticException e) {*

*// Handle division by zero*

*System.out.println("Error: Division by zero is not allowed.");*

*} finally {*

*// Close the scanner to prevent resource leak*

*scanner.close();*

*}*

*}*

*// Method to perform division*

*private static double divide(int numerator, int denominator) {*

*if (denominator == 0) {*

*// Throw an ArithmeticException if the denominator is zero*

*throw new ArithmeticException("Division by zero is not allowed.");*

*}*

*return (double) numerator / denominator;*

*}*

*}*