**Java program to throws, throw, finally, and custom exceptions in Java.**

package exceptionHandling;

import java.util.InputMismatchException;

import java.util.Scanner;

class MyCustomException extends Exception {

public MyCustomException(String msg) {

super(msg);

}

}

public class customException {

public static void calculateAndDisplay(double a, double b) throws MyCustomException {

double result;

try {

if(b <= 0) {

throw new MyCustomException("Denominator cannot be zero.");

}

result = (a/b);

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

} catch (MyCustomException e) {

System.out.println(e);

}

finally {

System.out.println("Function finally ends.");

}

}

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc = new Scanner(System.in);

try {

System.out.println("Enter the value for numerator: ");

double num1 = sc.nextInt();

System.out.println("Enter the value for denominator: ");

double num2 = sc.nextInt();

try {

calculateAndDisplay(num1, num2);

} catch (MyCustomException e) {

e.printStackTrace();

}

} catch (InputMismatchException e) {

System.out.println("Invalid Input");

}

}

}