PRACTICE-PROJECT5

CUSTOM EXCEPTION IN JAVA –

**package** practice;

**import** java.util.InputMismatchException;

**import** java.util.Scanner;

**class** MyCustomException **extends** Exception {

**public** MyCustomException(String msg) {

**super**(msg);

}

**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");

}

}

}