class Main {

public static void main(String[] args) {

try {

// code that generate exception

int divideByZero = 5 / 0;

System.out.println("Rest of code in try block");

}

catch (ArithmeticException e) {

System.out.println("ArithmeticException => " + e.getMessage());

}

}

}

class Main {

public static void main(String[] args) {

try {

// code that generates exception

int divideByZero = 5 / 0;

}

catch (ArithmeticException e) {

System.out.println("ArithmeticException => " + e.getMessage());

}

finally {

System.out.println("This is the finally block");

}

}

}

import java.io.\*;

class Main {

// declareing the type of exception

public static void findFile() throws IOException {

// code that may generate IOException

File newFile = new File("test.txt");

FileInputStream stream = new FileInputStream(newFile);

}

public static void main(String[] args) {

try {

findFile();

}

catch (IOException e) {

System.out.println(e);

}

}

}

class Main {

public static void main(String[] args) {

try {

int array[] = new int[10];

array[10] = 30 / 0;

} catch (ArithmeticException e) {

System.out.println(e.getMessage());

} catch (ArrayIndexOutOfBoundsException e) {

System.out.println(e.getMessage());

}

}

}

class Main {

public static void main(String[] args) {

try {

int array[] = new int[10];

array[10] = 30 / 0;

} catch (ArithmeticException | ArrayIndexOutOfBoundsException e) {

System.out.println(e.getMessage());

}

}

}

import java.io.\*;

class Main {

public static void main(String[] args) {

String line;

try(BufferedReader br = new BufferedReader(new FileReader("test.txt"))) {

while ((line = br.readLine()) != null) {

System.out.println("Line =>"+line);

}

} catch (IOException e) {

System.out.println("IOException in try block =>" + e.getMessage());

}

}

}

// Java program that demonstrates the use of throw

class ThrowExcep

{

static void fun()

{

try

{

throw new NullPointerException("demo");

}

catch(NullPointerException e)

{

System.out.println("Caught inside fun().");

throw e; // rethrowing the exception

}

}

public static void main(String args[])

{

try

{

fun();

}

catch(NullPointerException e)

{

System.out.println("Caught in main.");

}

}

}

// Java program to demonstrate working of throws

class ThrowsExecp

{

static void fun() throws IllegalAccessException

{

System.out.println("Inside fun(). ");

throw new IllegalAccessException("demo");

}

public static void main(String args[])

{

try

{

fun();

}

catch(IllegalAccessException e)

{

System.out.println("caught in main.");

}

}

}