Exceptions

Syntax

try {

// *Block of code to try*

}

catch(Exception *e*) {

// *Block of code to handle errors*

}

Example

public class MyClass {

public static void main(String[ ] args) {

try {

int[] myNumbers = {1, 2, 3};

System.out.println(myNumbers[10]);

} catch (Exception e) {

System.out.println("Something went wrong.");

}

}

}

Finally

public class MyClass {

public static void main(String[] args) {

try {

int[] myNumbers = {1, 2, 3};

System.out.println(myNumbers[10]);

} catch (Exception e) {

System.out.println("Something went wrong.");

} finally {

System.out.println("The 'try catch' is finished.");

}

}

}

THROW NEW

public class MyClass {

static void checkAge(int age) {

if (age < 18) {

throw new ArithmeticException("Access denied - You must be at least 18 years old.");

}

else {

System.out.println("Access granted - You are old enough!");

}

}

public static void main(String[] args) {

checkAge(15); // Set age to 15 (which is below 18...)

}

}