

The Exception Handling

Three main types of errors

→ Syntax errors

the compiler detects the errors in the syntax

→ Runtime errors

detected by the JVM while implementing the code [at runtime, and appears with the output]

→ Logical errors

Runtime errors = exceptions

What is the meaning of handling something?

working ~~on~~ on the problem in general, and solving it

→ To handle an exception, to ~~solve~~ expiate the exception

* Division By zero is not allowed only for integers in Java, in this case it gives a runtime error

The standard of IEEE 754, Pounld by IEEE

نحو اطريقه عالمي لتخزين ال دخل القياسي Floating point

zeroes and ones ← يخرجوا

لما دفعنا أرقام عددي عالي دخرين ال floating point (infinity) ، (الإيجانات ، المثلثات ، ...) ← لعمد أي رقم على

الحدين $+\infty$ و $-\infty$ معرفين

العنية ال undefined (غير معرفة) ← هاد هو عرضه (NAN)

In Java :-

$\rightarrow \text{double number} / \text{double number} = \text{num} / 0 + \text{Infinity}$

$\rightarrow \text{num} / 0 = 0 / 0 = \text{NAN}$

$\rightarrow \text{num} / 0 = -\text{num} / 0 = -\text{Infinity}$

If they were integer numbers, an exception will be thrown

نحو تفريغ البرنامج . بقدر تمرق كود داخل لوپس ، تحرك للخلف (exit) method (exit) in the system class

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ادا اخطأ error

(6) error, num = 0 ←

error handling, error detection, exception handling, etc.

You write the code in the way you detect the error and throwing it then to the user of the method to decide how to handle it, (this user is not the end user)

* Exception classes have two constructors.

وأحد صفات string بنية اخر صيغة هي عبارة عن الارقام على شكل

error \rightarrow throw \downarrow fn \leftarrow

calligraphy ألفاظ flow ... الـ calligraphy بـ الخط throw ... الـ الرمي

throw الـ `new` error الـ `(msg)` method الـ `_code` الـ `link` كـ `إذا`

(→ use the (Try and catch))

try...Block:

trying to execute the code that might cause an error.

then if there is a real error it will be caught by catch Block

↳ it has one parameter often, and it can contain exception type that might be caught.

► Subject :

reference... هو معلم... parameter... الذي يرجعنا إلى... variable... الى... exception... الذي يرجعنا الى... object... ~~object~~

method exception reference دلالة exception دلالة catch دلالة exception

وَسِكْلَةٌ تَقْبَلُ عَادِيَ بَعْدَهَا

Introduction of most popular exhibition
showing various types of the Franklin's kite.

• Paths must begin

What is the relationship between