

Kotlin Checked Exception

JetBrains Kotlin Kotlin Java Android "" Kotlin "" Kotlin " Kotlin Kotlin

Kotlin Kotlin — checked exception

checked exception Kotlin C#

Kotlin " Java Android "Kotlin Android "" Kotlin Android Kotlin Java Android Kotlin Java

Kotlin

Google's Java-centric Android mobile development platform is adding the Kotlin language as an officially supported development language, and will include it in the Android Studio 3.0 IDE.

Google Java Android Kotlin Android Studio 3.0 IDE

" Java "" "" JavaScript "" JavaScript Java "" ""

Android Java Kotlin Android Java Java Kotlin Android Java Java Kotlin

JVM Java Java ScalaClojure..... Kotlin "drastically reduce the amount of boilerplate code" Java "boilerplate code"

Java Java ""Java "" Java [Java Rust](#)

Kotlin Java C++ Kotlin Java Java Kotlin

Checked ExceptionCE

Kotlin Java Kotlin checked exception"CE"

CE Java

```
void foo(string filename) throws FileNotFoundException
{
    if (...)
    {
        throw new FileNotFoundException();
    }
    ...
}
```

Java "throws FileNotFoundException" FileNotFoundException foo foo try-catch "throws FileNotFoundException"

```
try
{
    foo("blah");
}
catch (FileNotFoundException e)
{
    ...
}
```

"checked exception" C++C#JavaScriptPython....."exception""checked exception"

CE Kotlin C# CE

[Kotlin](#) Java checked exceptionCE CE "" "" Java CE Bruce Eckel C# [Anders Hejlsberg](#)

Hejlsberg CE C# CE C# CE CE Hejlsberg

C# C# CE C#

"" ""

```
try
{
    foo();
}
catch (Exception)
{
    ...
}
```

Java foo catch log catch catch (Exception).....

C# CE C# try-catch“ try-catch.....”

Java Java CE try-catch C# try-catchJava try-catch throws IntelliJ catch C#

```
OutputStream symOut = null, refOut = null, docOut = null;
try {
    docOut = new BufferedOutputStream(new FileOutputStream(docFilename));
    symOut = new BufferedOutputStream(new FileOutputStream(symFilename));
    refOut = new BufferedOutputStream(new FileOutputStream(refFilename));
    $.msg( m: "graphing: " + srcpath);
    graph(srcpath, inclpaths, symOut, refOut, docOut);
    docOut.flush();
    symOut.flush();
    refOut.flush();
} catch (FileNotFoundException e) {
    System.err.println("Could not find file: " + e);
    return;
} finally {
    if (docOut != null) {
        docOut.close();
    }
}
```

CE "" Java C CE

Java CE “union type” Typed Racket Union type PySonar Yin Java CE union type CE union type
union type null Java CE Typed Racket union type CE

Hejlsberg CE "" CE “ CE”

- “ throws throws Exception Java CE ”
- “ catch (Exception)”
- “ 80 ”.....

throws Exception catch (Exception) CE exception

CE union type “ 80 ”“throws Exception”

Typed Racket union type CE union type C JavaScript

CE CE Hejlsberg CE PHP ;)

Hejlsberg CE CE C# CE catch (Exception) Java C# Java ;)

Hejlsberg C# catch "" C# "".....

Java throws modular try-catch [Exceptional](#) C# Exceptional Java CE throws

C# [C# IDisposable](#) C# Hejlsberg

Kotlin "" Kotlin Java CE

"" Kotlin :P

Kotlin JavaC++ C ""