

Java Errors and Exception Types

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Errors and Exception Types

The table below shows a list of common **Error** and **Exception** types in Java:

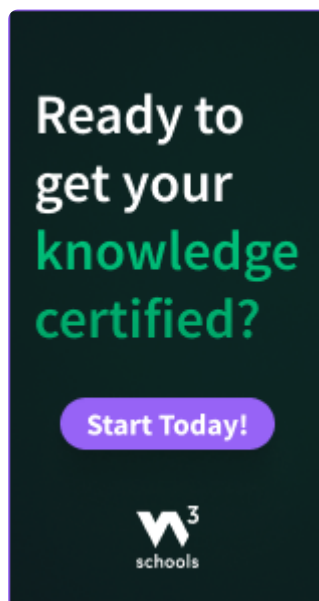
Error/Exception	Description
ArithmeticError	Occurs when a numeric calculation goes wrong
ArrayIndexOutOfBoundsException	Occurs when trying to access an index number that does not exist in an array
ClassFormatError	Occurs when a class file cannot be accessed
ClassNotFoundException	Occurs when trying to access a class that does not exist
ConcurrentModificationException	Occurs when an element is added or removed from iterables
FileNotFoundException	Occurs when a file cannot be accessed
IncompatibleClassChangeError	Occurs when there's been a change in a base class after a child class has already been initialized
InputMismatchException	Occurs when entering wrong input (e.g. text in a numerical input)
InterruptedException	Occurs when a Thread is interrupted while waiting/sleeping
InvalidClassException	Occurs when the Serialization runtime observes a problem with a class

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NoClassDefFoundError	Occurs when the class is not found at runtime
NoSuchFieldException	Occurs when trying to access a class field/variable that does not exist
NoSuchMethodException	Occurs when trying to access a class method that does not exist
NullPointerException	Occurs when trying to access an object referece that is null
NumberFormatException	Occurs when it is not possible to convert a specified string to a numeric type
RuntimeException	Occurs when an exception occurs at runtime
StringIndexOutOfBoundsException	Occurs when trying to access a character in a String that does not exist
TypeNotPresentException	Occurs when a type cannot be found
IllegalArgumentException	Occurs when when an illegal argument is passed to a method
IllegalStateException	Occurs when when a method is called at an illegal time

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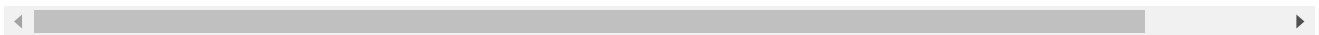
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