Array IndexOutOfBoundsException

```
public class ArrayIndexOutOfBoundsException
extends IndexOutOfBoundsException (/reference/java/lang/IndexOutOfBoundsException)
```

java.lang.Object (/reference/java/lang/Object)
  ↳ java.lang.Throwable (/reference/java/lang/Throwable)
    ↳ java.lang.Exception (/reference/java/lang/Exception)
      ↳ java.lang.RuntimeException (/reference/java/lang/RuntimeException)
        ↳ java.lang.IndexOutOfBoundsException
          (/reference/java/lang/IndexOutOfBoundsException)
          ↳ java.lang.ArrayIndexOutOfBoundsException

Thrown to indicate that an array has been accessed with an illegal index. The index is either negative or greater than or equal to the size of the array.

Summary

Public constructors

ArrayIndexOutOfBoundsException
(/reference/java/lang/ArrayIndexOutOfBoundsException#ArrayIndexOutOfBoundsException())`()`

Constructs an `ArrayIndexOutOfBoundsException` with no detail message.

ArrayIndexOutOfBoundsException
(/reference/java/lang/ArrayIndexOutOfBoundsException#ArrayIndexOutOfBoundsException(int))`(int index)`

Constructs a new `ArrayIndexOutOfBoundsException` class with an argument indicating the illegal

ArrayIndexOutOfBoundsException
(/reference/java/lang/ArrayIndexOutOfBoundsException#ArrayIndexOutOfBoundsException(java.lang.S
(**String** (/reference/java/lang/String) s)

Constructs an `ArrayIndexOutOfBoundsException` class with the specified detail message.

Inherited methods

⌄ From class `java.lang.Throwable` (/reference/java/lang/Throwable)

`final void`	**addSuppressed** (/reference/java/lang/Throwable# (**Throwable** (/reference/java/lang Appends the specified exception order to deliver this exception.
Throwable (/reference/java/lang/Throwable)	**fillInStackTrace** (/reference/ Fills in the execution stack trace.
Throwable (/reference/java/lang/Throwable)	**getCause** (/reference/java/lang/T Returns the cause of this throwab unknown.
String (/reference/java/lang/String)	**getLocalizedMessage** (/reference/java/lang/Throwable# Creates a localized description of
String (/reference/java/lang/String)	**getMessage** (/reference/java/lan Returns the detail message string
StackTraceElement[] (/reference/java/lang/StackTraceElement)	**getStackTrace** (/reference/java Provides programmatic access to **printStackTrace()** (/reference

final Throwable[] (/reference/java/lang/Throwable)	getSuppressed (/reference/java...
	Returns an array containing all of by the try-with-resources staten
Throwable (/reference/java/lang/Throwable)	initCause (/reference/java/lang. (Throwable (/reference/java/lang
	Initializes the *cause* of this throwa
void	printStackTrace (/reference/ja
	Prints this throwable and its backt
void	printStackTrace (/reference/java/lang/Throwable# (PrintWriter (/reference/java/i
	Prints this throwable and its backt
void	printStackTrace (/reference/java/lang/Throwable# (PrintStream (/reference/java/i
	Prints this throwable and its backt
void	setStackTrace (/reference/java/lang/Throwable# (StackTraceElement[] (/refere stackTrace)
	Sets the stack trace elements tha (/reference/java/lang/Throwable# printStackTrace() (/reference related methods.
String (/reference/java/lang/String)	toString (/reference/java/lang/T
	Returns a short description of this

⌄ From class java.lang.Object (/reference/java/lang/Object)

Object (/reference/java/lang/Object)	clone (/reference/java/lang/Object#clone())()
	Creates and returns a copy of this object.

`boolean`	**equals** (/reference/java/lang/Object#equals(java.lan (/reference/java/lang/Object) `obj`) Indicates whether some other object is "equal to" this
`void`	**finalize** (/reference/java/lang/Object#finalize())`()` Called by the garbage collector on an object when gar more references to the object.
`final Class` (/reference/java/lang/Class)`<?>`	**getClass** (/reference/java/lang/Object#getClass())`(` Returns the runtime class of this `Object`.
`int`	**hashCode** (/reference/java/lang/Object#hashCode()) Returns a hash code value for the object.
`final void`	**notify** (/reference/java/lang/Object#notify())`()` Wakes up a single thread that is waiting on this object
`final void`	**notifyAll** (/reference/java/lang/Object#notifyAll())`(` Wakes up all threads that are waiting on this object's
String (/reference/java/lang/String)	**toString** (/reference/java/lang/Object#toString())`()` Returns a string representation of the object.
`final void`	**wait** (/reference/java/lang/Object#wait(long,%20int)) Causes the current thread to wait until it is awakened, until a certain amount of real time has elapsed.
`final void`	**wait** (/reference/java/lang/Object#wait(long))`(long` Causes the current thread to wait until it is awakened, until a certain amount of real time has elapsed.
`final void`	**wait** (/reference/java/lang/Object#wait())`()` Causes the current thread to wait until it is awakened,

Public constructors

ArrayIndexOutOfBoundsException [Added in API level 1](/guide/topics/manifest/uses-sdk-element#ApiLevels)

```
public ArrayIndexOutOfBoundsException ()
```

Constructs an `ArrayIndexOutOfBoundsException` with no detail message.

ArrayIndexOutOfBoundsException [Added in API level 1](/guide/topics/manifest/uses-sdk-element#ApiLevels)

```
public ArrayIndexOutOfBoundsException (int index)
```

Constructs a new `ArrayIndexOutOfBoundsException` class with an argument indicating the illegal index.

The index is included in this exception's detail message. The exact presentation format of the detail message is unspecified.

Parameters	
`index`	`int`: the illegal index.

ArrayIndexOutOfBoundsException [Added in API level 1](/guide/topics/manifest/uses-sdk-element#ApiLevels)

```
public ArrayIndexOutOfBoundsException (String (/reference/java/lang/String) s)
```

Constructs an `ArrayIndexOutOfBoundsException` class with the specified detail message.

Parameters	
s	`String`: the detail message.

Last updated 2025-02-10 UTC.