

# ArrayIndexOutOfBoundsException Class

## Definition

Namespace: [Java.Lang](#)

Assembly: Mono.Android.dll

Thrown to indicate that an array has been accessed with an illegal index.

C#

```
[Android.Runtime.Register("java/lang/IndexOutOfBoundsException", DoNotGenerateAcw=true)]
public class ArrayIndexOutOfBoundsException : Java.Lang.IndexOutOfBoundsException
```

Inheritance `Exception` → `Throwable` → `Exception` → `RuntimeException` →  
`IndexOutOfBoundsException` → `ArrayIndexOutOfBoundsException`

Attributes [RegisterAttribute](#)

## Remarks

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.

Added in 1.0.

[Java documentation for java.lang.ArrayIndexOutOfBoundsException.](#) ↗

Portions of this page are modifications based on work created and shared by the [Android Open Source Project](#) ↗ and used according to terms described in the [Creative Commons 2.5 Attribution License](#). ↗

## Constructors

[ ] [Expand table](#)

<a href="#">ArrayIndexOutOfBoundsException()</a>	Constructs an <code>ArrayIndexOutOfBoundsException</code> with no detail message.
<a href="#">ArrayIndexOutOfBoundsException(Int32)</a>	Constructs a new <code>ArrayIndexOutOfBoundsException</code> class with an argument indicating the illegal index.
<a href="#">ArrayIndexOutOfBoundsException(IntPtr, JniHandleOwnership)</a>	A constructor used when creating managed representations of JNI objects; called by the runtime.

[ArrayIndexOutOfBoundsException\(String\)](#)

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

## Fields

 [Expand table](#)

[is\\_generated](#)

(Inherited from [Throwable](#))

## Properties

 [Expand table](#)

[Cause](#)

Returns the cause of this throwable or `null` if the cause is nonexistent or unknown.  
(Inherited from [Throwable](#))

[Class](#)

(Inherited from [Throwable](#))

[Handle](#)

The handle to the underlying Android instance.  
(Inherited from [Throwable](#))

[JnidentityHash](#)

(Inherited from [Throwable](#))

[Code](#)[JniPeerMembers](#)[LocalizedMessage](#)

Creates a localized description of this throwable.  
(Inherited from [Throwable](#))

[Message](#)

Returns the detail message string of this throwable.  
(Inherited from [Throwable](#))

[PeerReference](#)

(Inherited from [Throwable](#))

[StackTrace](#)

(Inherited from [Throwable](#))

[ThresholdClass](#)

This API supports the Mono for Android infrastructure and is not intended to be used directly from your code.

[ThresholdType](#)

This API supports the Mono for Android infrastructure and is not intended to be used directly from your code.

## Methods

 [Expand table](#)

[AddSuppressed\(Throwable\)](#)

Appends the specified exception to the exceptions that were suppressed in order to deliver this exception.

	(Inherited from <a href="#">Throwable</a> )
<a href="#">Dispose()</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">Dispose(Boolean)</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">FillInStackTrace()</a>	Fills in the execution stack trace. (Inherited from <a href="#">Throwable</a> )
<a href="#">GetStackTrace()</a>	Provides programmatic access to the stack trace information printed by <code>#printStackTrace()</code> . (Inherited from <a href="#">Throwable</a> )
<a href="#">GetSuppressed()</a>	Returns an array containing all of the exceptions that were suppressed, typically by the <code>try</code> -with-resources statement, in order to deliver this exception. (Inherited from <a href="#">Throwable</a> )
<a href="#">InitCause(Throwable)</a>	Initializes the <i>cause</i> of this throwable to the specified value. (Inherited from <a href="#">Throwable</a> )
<a href="#">PrintStackTrace()</a>	Prints this throwable and its backtrace to the standard error stream. (Inherited from <a href="#">Throwable</a> )
<a href="#">PrintStackTrace(PrintStream)</a>	Prints this throwable and its backtrace to the specified print stream. (Inherited from <a href="#">Throwable</a> )
<a href="#">PrintStackTrace(PrintWriter)</a>	Prints this throwable and its backtrace to the specified print writer. (Inherited from <a href="#">Throwable</a> )
<a href="#">SetHandle(IntPtr, JniHandleOwnership)</a>	Sets the <a href="#">Handle</a> property. (Inherited from <a href="#">Throwable</a> )
<a href="#">SetStackTrace(StackTraceElement[])</a>	Sets the stack trace elements that will be returned by <code>#getStackTrace()</code> and printed by <code>#printStackTrace()</code> and related methods. (Inherited from <a href="#">Throwable</a> )
<a href="#">ToString()</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">UnregisterFromRuntime()</a>	(Inherited from <a href="#">Throwable</a> )

## Explicit Interface Implementations

[ ] Expand table

<a href="#">IJavaPeerable.Disposed()</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">IJavaPeerable.DisposeUnlessReferenced()</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">IJavaPeerable.Finalized()</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">IJavaPeerable.JniManagedPeerState</a>	(Inherited from <a href="#">Throwable</a> )
<a href="#">IJavaPeerable.SetJnildentityHashCode(Int32)</a>	(Inherited from <a href="#">Throwable</a> )

[IJavaPeerable.SetJniManagedPeerState\(JniManagedPeerStates\)](#)(Inherited from [Throwable](#))[IJavaPeerable.SetPeerReference\(JniObjectReference\)](#)(Inherited from [Throwable](#))

# Extension Methods

[Expand table](#)

<a href="#">JavaCast&lt;TResult&gt;(IJavaObject)</a>	Performs an Android runtime-checked type conversion.
<a href="#">JavaCast&lt;TResult&gt;(IJavaObject)</a>	
<a href="#">GetJniTypeName(IJavaPeerable)</a>	Gets the JNI name of the type of the instance <code>self</code> .
<a href="#">JavaAs&lt;TResult&gt;(IJavaPeerable)</a>	Try to coerce <code>self</code> to type <code>TResult</code> , checking that the coercion is valid on the Java side.
<a href="#">TryJavaCast&lt;TResult&gt;(IJavaPeerable, TResult)</a>	Try to coerce <code>self</code> to type <code>TResult</code> , checking that the coercion is valid on the Java side.

## Applies to

Product	Versions
<b>.NET for Android</b>	.NET for Android API 34, .NET for Android API 35, .NET for Android API 36