| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Iterable.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/lang/InterruptedException.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/LinkageError.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/Iterable.html)    [**NO FRAMES**](http://docs.google.com/Iterable.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.lang**

Interface Iterable<T>

**All Known Subinterfaces:** [BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html), [BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html), [BlockingDeque](http://docs.google.com/java/util/concurrent/BlockingDeque.html)<E>, [BlockingQueue](http://docs.google.com/java/util/concurrent/BlockingQueue.html)<E>, [Collection](http://docs.google.com/java/util/Collection.html)<E>, [Deque](http://docs.google.com/java/util/Deque.html)<E>, [List](http://docs.google.com/java/util/List.html)<E>, [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<E>, [Queue](http://docs.google.com/java/util/Queue.html)<E>, [Set](http://docs.google.com/java/util/Set.html)<E>, [SortedSet](http://docs.google.com/java/util/SortedSet.html)<E> **All Known Implementing Classes:** [AbstractCollection](http://docs.google.com/java/util/AbstractCollection.html), [AbstractList](http://docs.google.com/java/util/AbstractList.html), [AbstractQueue](http://docs.google.com/java/util/AbstractQueue.html), [AbstractSequentialList](http://docs.google.com/java/util/AbstractSequentialList.html), [AbstractSet](http://docs.google.com/java/util/AbstractSet.html), [ArrayBlockingQueue](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html), [ArrayDeque](http://docs.google.com/java/util/ArrayDeque.html), [ArrayList](http://docs.google.com/java/util/ArrayList.html), [AttributeList](http://docs.google.com/javax/management/AttributeList.html), [BatchUpdateException](http://docs.google.com/java/sql/BatchUpdateException.html), [BeanContextServicesSupport](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.html), [BeanContextSupport](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html), [ConcurrentLinkedQueue](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html), [ConcurrentSkipListSet](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html), [CopyOnWriteArrayList](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html), [CopyOnWriteArraySet](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html), [DataTruncation](http://docs.google.com/java/sql/DataTruncation.html), [DelayQueue](http://docs.google.com/java/util/concurrent/DelayQueue.html), [EnumSet](http://docs.google.com/java/util/EnumSet.html), [HashSet](http://docs.google.com/java/util/HashSet.html), [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html), [LinkedBlockingDeque](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html), [LinkedBlockingQueue](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html), [LinkedHashSet](http://docs.google.com/java/util/LinkedHashSet.html), [LinkedList](http://docs.google.com/java/util/LinkedList.html), [PriorityBlockingQueue](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html), [PriorityQueue](http://docs.google.com/java/util/PriorityQueue.html), [RoleList](http://docs.google.com/javax/management/relation/RoleList.html), [RoleUnresolvedList](http://docs.google.com/javax/management/relation/RoleUnresolvedList.html), [RowSetWarning](http://docs.google.com/javax/sql/rowset/RowSetWarning.html), [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html), [ServiceLoader](http://docs.google.com/java/util/ServiceLoader.html), [SQLClientInfoException](http://docs.google.com/java/sql/SQLClientInfoException.html), [SQLDataException](http://docs.google.com/java/sql/SQLDataException.html), [SQLException](http://docs.google.com/java/sql/SQLException.html), [SQLFeatureNotSupportedException](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html), [SQLIntegrityConstraintViolationException](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html), [SQLInvalidAuthorizationSpecException](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html), [SQLNonTransientConnectionException](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html), [SQLNonTransientException](http://docs.google.com/java/sql/SQLNonTransientException.html), [SQLRecoverableException](http://docs.google.com/java/sql/SQLRecoverableException.html), [SQLSyntaxErrorException](http://docs.google.com/java/sql/SQLSyntaxErrorException.html), [SQLTimeoutException](http://docs.google.com/java/sql/SQLTimeoutException.html), [SQLTransactionRollbackException](http://docs.google.com/java/sql/SQLTransactionRollbackException.html), [SQLTransientConnectionException](http://docs.google.com/java/sql/SQLTransientConnectionException.html), [SQLTransientException](http://docs.google.com/java/sql/SQLTransientException.html), [SQLWarning](http://docs.google.com/java/sql/SQLWarning.html), [Stack](http://docs.google.com/java/util/Stack.html), [SyncFactoryException](http://docs.google.com/javax/sql/rowset/spi/SyncFactoryException.html), [SynchronousQueue](http://docs.google.com/java/util/concurrent/SynchronousQueue.html), [SyncProviderException](http://docs.google.com/javax/sql/rowset/spi/SyncProviderException.html), [TreeSet](http://docs.google.com/java/util/TreeSet.html), [Vector](http://docs.google.com/java/util/Vector.html)

public interface **Iterable<T>**

Implementing this interface allows an object to be the target of the "foreach" statement.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[T](http://docs.google.com/java/lang/Iterable.html)> | [**iterator**](http://docs.google.com/java/lang/Iterable.html#iterator())()            Returns an iterator over a set of elements of type T. |

| **Method Detail** |
| --- |

### iterator

[Iterator](http://docs.google.com/java/util/Iterator.html)<[T](http://docs.google.com/java/lang/Iterable.html)> **iterator**()

Returns an iterator over a set of elements of type T.

**Returns:**an Iterator.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Iterable.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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