| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Collection.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useCollection.html)    [**NO FRAMES**](http://docs.google.com/Collection.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.util.Collection**

| Packages that use [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.beans.beancontext**](#2et92p0) | Provides classes and interfaces relating to bean context. |
| [**java.security**](#tyjcwt) | Provides the classes and interfaces for the security framework. |
| [**java.security.cert**](#3dy6vkm) | Provides classes and interfaces for parsing and managing certificates, certificate revocation lists (CRLs), and certification paths. |
| [**java.util**](#1t3h5sf) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**java.util.concurrent**](#4d34og8) | Utility classes commonly useful in concurrent programming. |
| [**java.util.concurrent.locks**](#2s8eyo1) | Interfaces and classes providing a framework for locking and waiting for conditions that is distinct from built-in synchronization and monitors. |
| [**java.util.jar**](#17dp8vu) | Provides classes for reading and writing the JAR (Java ARchive) file format, which is based on the standard ZIP file format with an optional manifest file. |
| [**javax.management**](#3rdcrjn) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.openmbean**](#26in1rg) | Provides the open data types and Open MBean descriptor classes. |
| [**javax.management.relation**](#lnxbz9) | Provides the definition of the Relation Service. |
| [**javax.print.attribute.standard**](#35nkun2) | Package javax.print.attribute.standard contains classes for specific printing attributes. |
| [**javax.script**](#1ksv4uv) | The scripting API consists of interfaces and classes that define Java TM Scripting Engines and provides a framework for their use in Java applications. |
| [**javax.sql.rowset**](#44sinio) | Standard interfaces and base classes for JDBC RowSet implementations. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **RenderingHints.**[**values**](http://docs.google.com/java/awt/RenderingHints.html#values())()            Returns a Collection view of the values contained in this RenderinHints. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Collection](http://docs.google.com/java/util/Collection.html) in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) | |
| --- | --- |
| interface | [**BeanContext**](http://docs.google.com/java/beans/beancontext/BeanContext.html)             The BeanContext acts a logical hierarchical container for JavaBeans. |
| interface | [**BeanContextServices**](http://docs.google.com/java/beans/beancontext/BeanContextServices.html)             The BeanContextServices interface provides a mechanism for a BeanContext to expose generic "services" to the BeanContextChild objects within. |

| Classes in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**BeanContextServicesSupport**](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.html)             This helper class provides a utility implementation of the java.beans.beancontext.BeanContextServices interface. |
| class | [**BeanContextSupport**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html)            This helper class provides a utility implementation of the java.beans.beancontext.BeanContext interface. |

| Fields in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) declared as [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| protected  [Collection](http://docs.google.com/java/util/Collection.html) | **BeanContextMembershipEvent.**[**children**](http://docs.google.com/java/beans/beancontext/BeanContextMembershipEvent.html#children)            The list of children affected by this event notification. |

| Methods in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| boolean | **BeanContextSupport.**[**addAll**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html) c)            add Collection to set of Children (Unsupported) implementations must synchronized on the hierarchy lock and "children" protected field |
| boolean | **BeanContextSupport.**[**containsAll**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html) c)            Tests to see if all objects in the specified Collection are children of this BeanContext. |
| protected  void | **BeanContextSupport.**[**deserialize**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#deserialize(java.io.ObjectInputStream,%20java.util.Collection))([ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html) ois, [Collection](http://docs.google.com/java/util/Collection.html) coll)            used by readObject to deserialize a collection. |
| boolean | **BeanContextSupport.**[**removeAll**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html) c)            remove all specified children (Unsupported) implementations must synchronized on the hierarchy lock and "children" protected field |
| boolean | **BeanContextSupport.**[**retainAll**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html) c)            retain only specified children (Unsupported) implementations must synchronized on the hierarchy lock and "children" protected field |
| protected  void | **BeanContextSupport.**[**serialize**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#serialize(java.io.ObjectOutputStream,%20java.util.Collection))([ObjectOutputStream](http://docs.google.com/java/io/ObjectOutputStream.html) oos, [Collection](http://docs.google.com/java/util/Collection.html) coll)            Used by writeObject to serialize a Collection. |

| Constructors in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [**BeanContextMembershipEvent**](http://docs.google.com/java/beans/beancontext/BeanContextMembershipEvent.html#BeanContextMembershipEvent(java.beans.beancontext.BeanContext,%20java.util.Collection))([BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) bc, [Collection](http://docs.google.com/java/util/Collection.html) changes)            Contruct a BeanContextMembershipEvent |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **Provider.**[**values**](http://docs.google.com/java/security/Provider.html#values())()            Returns an unmodifiable Collection view of the property values contained in this provider. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
| --- | --- |

| Methods in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| abstract  [Collection](http://docs.google.com/java/util/Collection.html)<? extends [Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | **CertificateFactorySpi.**[**engineGenerateCertificates**](http://docs.google.com/java/security/cert/CertificateFactorySpi.html#engineGenerateCertificates(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream)            Returns a (possibly empty) collection view of the certificates read from the given input stream inStream. |
| abstract  [Collection](http://docs.google.com/java/util/Collection.html)<? extends [CRL](http://docs.google.com/java/security/cert/CRL.html)> | **CertificateFactorySpi.**[**engineGenerateCRLs**](http://docs.google.com/java/security/cert/CertificateFactorySpi.html#engineGenerateCRLs(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream)            Returns a (possibly empty) collection view of the CRLs read from the given input stream inStream. |
| abstract  [Collection](http://docs.google.com/java/util/Collection.html)<? extends [Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | **CertStoreSpi.**[**engineGetCertificates**](http://docs.google.com/java/security/cert/CertStoreSpi.html#engineGetCertificates(java.security.cert.CertSelector))([CertSelector](http://docs.google.com/java/security/cert/CertSelector.html) selector)            Returns a Collection of Certificates that match the specified selector. |
| abstract  [Collection](http://docs.google.com/java/util/Collection.html)<? extends [CRL](http://docs.google.com/java/security/cert/CRL.html)> | **CertStoreSpi.**[**engineGetCRLs**](http://docs.google.com/java/security/cert/CertStoreSpi.html#engineGetCRLs(java.security.cert.CRLSelector))([CRLSelector](http://docs.google.com/java/security/cert/CRLSelector.html) selector)            Returns a Collection of CRLs that match the specified selector. |
| [Collection](http://docs.google.com/java/util/Collection.html)<? extends [Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | **CertificateFactory.**[**generateCertificates**](http://docs.google.com/java/security/cert/CertificateFactory.html#generateCertificates(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream)            Returns a (possibly empty) collection view of the certificates read from the given input stream inStream. |
| [Collection](http://docs.google.com/java/util/Collection.html)<? extends [CRL](http://docs.google.com/java/security/cert/CRL.html)> | **CertificateFactory.**[**generateCRLs**](http://docs.google.com/java/security/cert/CertificateFactory.html#generateCRLs(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream)            Returns a (possibly empty) collection view of the CRLs read from the given input stream inStream. |
| [Collection](http://docs.google.com/java/util/Collection.html)<? extends [Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | **CertStore.**[**getCertificates**](http://docs.google.com/java/security/cert/CertStore.html#getCertificates(java.security.cert.CertSelector))([CertSelector](http://docs.google.com/java/security/cert/CertSelector.html) selector)            Returns a Collection of Certificates that match the specified selector. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CollectionCertStoreParameters.**[**getCollection**](http://docs.google.com/java/security/cert/CollectionCertStoreParameters.html#getCollection())()            Returns the Collection from which Certificates and CRLs are retrieved. |
| [Collection](http://docs.google.com/java/util/Collection.html)<? extends [CRL](http://docs.google.com/java/security/cert/CRL.html)> | **CertStore.**[**getCRLs**](http://docs.google.com/java/security/cert/CertStore.html#getCRLs(java.security.cert.CRLSelector))([CRLSelector](http://docs.google.com/java/security/cert/CRLSelector.html) selector)            Returns a Collection of CRLs that match the specified selector. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> | **X509Certificate.**[**getIssuerAlternativeNames**](http://docs.google.com/java/security/cert/X509Certificate.html#getIssuerAlternativeNames())()            Gets an immutable collection of issuer alternative names from the IssuerAltName extension, (OID = 2.5.29.18). |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **X509CRLSelector.**[**getIssuerNames**](http://docs.google.com/java/security/cert/X509CRLSelector.html#getIssuerNames())()            Returns a copy of the issuerNames criterion. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[X500Principal](http://docs.google.com/javax/security/auth/x500/X500Principal.html)> | **X509CRLSelector.**[**getIssuers**](http://docs.google.com/java/security/cert/X509CRLSelector.html#getIssuers())()            Returns the issuerNames criterion. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> | **X509CertSelector.**[**getPathToNames**](http://docs.google.com/java/security/cert/X509CertSelector.html#getPathToNames())()            Returns a copy of the pathToNames criterion. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> | **X509CertSelector.**[**getSubjectAlternativeNames**](http://docs.google.com/java/security/cert/X509CertSelector.html#getSubjectAlternativeNames())()            Returns a copy of the subjectAlternativeNames criterion. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> | **X509Certificate.**[**getSubjectAlternativeNames**](http://docs.google.com/java/security/cert/X509Certificate.html#getSubjectAlternativeNames())()            Gets an immutable collection of subject alternative names from the SubjectAltName extension, (OID = 2.5.29.17). |

| Methods in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| abstract  void | **PKIXCertPathChecker.**[**check**](http://docs.google.com/java/security/cert/PKIXCertPathChecker.html#check(java.security.cert.Certificate,%20java.util.Collection))([Certificate](http://docs.google.com/java/security/cert/Certificate.html) cert, [Collection](http://docs.google.com/java/util/Collection.html)<[String](http://docs.google.com/java/lang/String.html)> unresolvedCritExts)            Performs the check(s) on the specified certificate using its internal state and removes any critical extensions that it processes from the specified collection of OID strings that represent the unresolved critical extensions. |
| void | **X509CRLSelector.**[**setIssuerNames**](http://docs.google.com/java/security/cert/X509CRLSelector.html#setIssuerNames(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> names)  **Note:** use [X509CRLSelector.setIssuers(Collection)](http://docs.google.com/java/security/cert/X509CRLSelector.html#setIssuers(java.util.Collection)) instead or only specify the byte array form of distinguished names when using this method. |
| void | **X509CRLSelector.**[**setIssuers**](http://docs.google.com/java/security/cert/X509CRLSelector.html#setIssuers(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<[X500Principal](http://docs.google.com/javax/security/auth/x500/X500Principal.html)> issuers)            Sets the issuerNames criterion. |
| void | **X509CertSelector.**[**setPathToNames**](http://docs.google.com/java/security/cert/X509CertSelector.html#setPathToNames(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> names)            Sets the pathToNames criterion. |
| void | **X509CertSelector.**[**setSubjectAlternativeNames**](http://docs.google.com/java/security/cert/X509CertSelector.html#setSubjectAlternativeNames(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<[List](http://docs.google.com/java/util/List.html)<?>> names)            Sets the subjectAlternativeNames criterion. |

| Constructors in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [**CollectionCertStoreParameters**](http://docs.google.com/java/security/cert/CollectionCertStoreParameters.html#CollectionCertStoreParameters(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> collection)            Creates an instance of CollectionCertStoreParameters which will allow certificates and CRLs to be retrieved from the specified Collection. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| interface | [**Deque<E>**](http://docs.google.com/java/util/Deque.html)            A linear collection that supports element insertion and removal at both ends. |
| interface | [**List<E>**](http://docs.google.com/java/util/List.html)            An ordered collection (also known as a *sequence*). |
| interface | [**NavigableSet<E>**](http://docs.google.com/java/util/NavigableSet.html)            A [SortedSet](http://docs.google.com/java/util/SortedSet.html) extended with navigation methods reporting closest matches for given search targets. |
| interface | [**Queue<E>**](http://docs.google.com/java/util/Queue.html)            A collection designed for holding elements prior to processing. |
| interface | [**Set<E>**](http://docs.google.com/java/util/Set.html)            A collection that contains no duplicate elements. |
| interface | [**SortedSet<E>**](http://docs.google.com/java/util/SortedSet.html)            A [Set](http://docs.google.com/java/util/Set.html) that further provides a *total ordering* on its elements. |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**AbstractCollection<E>**](http://docs.google.com/java/util/AbstractCollection.html)            This class provides a skeletal implementation of the Collection interface, to minimize the effort required to implement this interface. |
| class | [**AbstractList<E>**](http://docs.google.com/java/util/AbstractList.html)            This class provides a skeletal implementation of the [List](http://docs.google.com/java/util/List.html) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array). |
| class | [**AbstractQueue<E>**](http://docs.google.com/java/util/AbstractQueue.html)            This class provides skeletal implementations of some [Queue](http://docs.google.com/java/util/Queue.html) operations. |
| class | [**AbstractSequentialList<E>**](http://docs.google.com/java/util/AbstractSequentialList.html)            This class provides a skeletal implementation of the List interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list). |
| class | [**AbstractSet<E>**](http://docs.google.com/java/util/AbstractSet.html)            This class provides a skeletal implementation of the Set interface to minimize the effort required to implement this interface. |
| class | [**ArrayDeque<E>**](http://docs.google.com/java/util/ArrayDeque.html)            Resizable-array implementation of the [Deque](http://docs.google.com/java/util/Deque.html) interface. |
| class | [**ArrayList<E>**](http://docs.google.com/java/util/ArrayList.html)            Resizable-array implementation of the List interface. |
| class | [**EnumSet<E extends Enum<E>>**](http://docs.google.com/java/util/EnumSet.html)            A specialized [Set](http://docs.google.com/java/util/Set.html) implementation for use with enum types. |
| class | [**HashSet<E>**](http://docs.google.com/java/util/HashSet.html)            This class implements the Set interface, backed by a hash table (actually a HashMap instance). |
| class | [**LinkedHashSet<E>**](http://docs.google.com/java/util/LinkedHashSet.html)            Hash table and linked list implementation of the Set interface, with predictable iteration order. |
| class | [**LinkedList<E>**](http://docs.google.com/java/util/LinkedList.html)            Linked list implementation of the List interface. |
| class | [**PriorityQueue<E>**](http://docs.google.com/java/util/PriorityQueue.html)            An unbounded priority [queue](http://docs.google.com/java/util/Queue.html) based on a priority heap. |
| class | [**Stack<E>**](http://docs.google.com/java/util/Stack.html)            The Stack class represents a last-in-first-out (LIFO) stack of objects. |
| class | [**TreeSet<E>**](http://docs.google.com/java/util/TreeSet.html)            A [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) implementation based on a [TreeMap](http://docs.google.com/java/util/TreeMap.html). |
| class | [**Vector<E>**](http://docs.google.com/java/util/Vector.html)            The Vector class implements a growable array of objects. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| static   | <E> [Collection](http://docs.google.com/java/util/Collection.html)<E> | | --- | | **Collections.**[**checkedCollection**](http://docs.google.com/java/util/Collections.html#checkedCollection(java.util.Collection,%20java.lang.Class))([Collection](http://docs.google.com/java/util/Collection.html)<E> c, [Class](http://docs.google.com/java/lang/Class.html)<E> type)            Returns a dynamically typesafe view of the specified collection. |
| static   | <T> [Collection](http://docs.google.com/java/util/Collection.html)<T> | | --- | | **Collections.**[**synchronizedCollection**](http://docs.google.com/java/util/Collections.html#synchronizedCollection(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<T> c)            Returns a synchronized (thread-safe) collection backed by the specified collection. |
| static   | <T> [Collection](http://docs.google.com/java/util/Collection.html)<T> | | --- | | **Collections.**[**unmodifiableCollection**](http://docs.google.com/java/util/Collections.html#unmodifiableCollection(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> c)            Returns an unmodifiable view of the specified collection. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/EnumMap.html)> | **EnumMap.**[**values**](http://docs.google.com/java/util/EnumMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/WeakHashMap.html)> | **WeakHashMap.**[**values**](http://docs.google.com/java/util/WeakHashMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**values**](http://docs.google.com/java/util/TreeMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/IdentityHashMap.html)> | **IdentityHashMap.**[**values**](http://docs.google.com/java/util/IdentityHashMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/SortedMap.html)> | **SortedMap.**[**values**](http://docs.google.com/java/util/SortedMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/AbstractMap.html)> | **AbstractMap.**[**values**](http://docs.google.com/java/util/AbstractMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/HashMap.html)> | **HashMap.**[**values**](http://docs.google.com/java/util/HashMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/Hashtable.html)> | **Hashtable.**[**values**](http://docs.google.com/java/util/Hashtable.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/Map.html)> | **Map.**[**values**](http://docs.google.com/java/util/Map.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| boolean | **LinkedList.**[**addAll**](http://docs.google.com/java/util/LinkedList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/LinkedList.html)> c)            Appends all of the elements in the specified collection to the end of this list, in the order that they are returned by the specified collection's iterator. |
| boolean | **TreeSet.**[**addAll**](http://docs.google.com/java/util/TreeSet.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/TreeSet.html)> c)            Adds all of the elements in the specified collection to this set. |
| boolean | **AbstractQueue.**[**addAll**](http://docs.google.com/java/util/AbstractQueue.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/AbstractQueue.html)> c)            Adds all of the elements in the specified collection to this queue. |
| boolean | **ArrayList.**[**addAll**](http://docs.google.com/java/util/ArrayList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/ArrayList.html)> c)            Appends all of the elements in the specified collection to the end of this list, in the order that they are returned by the specified collection's Iterator. |
| boolean | **List.**[**addAll**](http://docs.google.com/java/util/List.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/List.html)> c)            Appends all of the elements in the specified collection to the end of this list, in the order that they are returned by the specified collection's iterator (optional operation). |
| boolean | **AbstractCollection.**[**addAll**](http://docs.google.com/java/util/AbstractCollection.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/AbstractCollection.html)> c)            Adds all of the elements in the specified collection to this collection (optional operation). |
| boolean | **Vector.**[**addAll**](http://docs.google.com/java/util/Vector.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/Vector.html)> c)            Appends all of the elements in the specified Collection to the end of this Vector, in the order that they are returned by the specified Collection's Iterator. |
| boolean | **Collection.**[**addAll**](http://docs.google.com/java/util/Collection.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/Collection.html)> c)            Adds all of the elements in the specified collection to this collection (optional operation). |
| boolean | **Set.**[**addAll**](http://docs.google.com/java/util/Set.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/Set.html)> c)            Adds all of the elements in the specified collection to this set if they're not already present (optional operation). |
| static   | <T> boolean | | --- | | **Collections.**[**addAll**](http://docs.google.com/java/util/Collections.html#addAll(java.util.Collection,%20T...))([Collection](http://docs.google.com/java/util/Collection.html)<? super T> c, T... elements)            Adds all of the specified elements to the specified collection. |
| boolean | **LinkedList.**[**addAll**](http://docs.google.com/java/util/LinkedList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/LinkedList.html)> c)            Inserts all of the elements in the specified collection into this list, starting at the specified position. |
| boolean | **AbstractSequentialList.**[**addAll**](http://docs.google.com/java/util/AbstractSequentialList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/AbstractSequentialList.html)> c)            Inserts all of the elements in the specified collection into this list at the specified position (optional operation). |
| boolean | **ArrayList.**[**addAll**](http://docs.google.com/java/util/ArrayList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/ArrayList.html)> c)            Inserts all of the elements in the specified collection into this list, starting at the specified position. |
| boolean | **List.**[**addAll**](http://docs.google.com/java/util/List.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/List.html)> c)            Inserts all of the elements in the specified collection into this list at the specified position (optional operation). |
| boolean | **AbstractList.**[**addAll**](http://docs.google.com/java/util/AbstractList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/AbstractList.html)> c)            Inserts all of the elements in the specified collection into this list at the specified position (optional operation). |
| boolean | **Vector.**[**addAll**](http://docs.google.com/java/util/Vector.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/Vector.html)> c)            Inserts all of the elements in the specified Collection into this Vector at the specified position. |
| static   | <E> [Collection](http://docs.google.com/java/util/Collection.html)<E> | | --- | | **Collections.**[**checkedCollection**](http://docs.google.com/java/util/Collections.html#checkedCollection(java.util.Collection,%20java.lang.Class))([Collection](http://docs.google.com/java/util/Collection.html)<E> c, [Class](http://docs.google.com/java/lang/Class.html)<E> type)            Returns a dynamically typesafe view of the specified collection. |
| boolean | **List.**[**containsAll**](http://docs.google.com/java/util/List.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this list contains all of the elements of the specified collection. |
| boolean | **AbstractCollection.**[**containsAll**](http://docs.google.com/java/util/AbstractCollection.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this collection contains all of the elements in the specified collection. |
| boolean | **Vector.**[**containsAll**](http://docs.google.com/java/util/Vector.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this Vector contains all of the elements in the specified Collection. |
| boolean | **Collection.**[**containsAll**](http://docs.google.com/java/util/Collection.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this collection contains all of the elements in the specified collection. |
| boolean | **Set.**[**containsAll**](http://docs.google.com/java/util/Set.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this set contains all of the elements of the specified collection. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**copyOf**](http://docs.google.com/java/util/EnumSet.html#copyOf(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<E> c)            Creates an enum set initialized from the specified collection. |
| static boolean | **Collections.**[**disjoint**](http://docs.google.com/java/util/Collections.html#disjoint(java.util.Collection,%20java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c1, [Collection](http://docs.google.com/java/util/Collection.html)<?> c2)            Returns true if the two specified collections have no elements in common. |
| static boolean | **Collections.**[**disjoint**](http://docs.google.com/java/util/Collections.html#disjoint(java.util.Collection,%20java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c1, [Collection](http://docs.google.com/java/util/Collection.html)<?> c2)            Returns true if the two specified collections have no elements in common. |
| static   | <T> [Enumeration](http://docs.google.com/java/util/Enumeration.html)<T> | | --- | | **Collections.**[**enumeration**](http://docs.google.com/java/util/Collections.html#enumeration(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<T> c)            Returns an enumeration over the specified collection. |
| static int | **Collections.**[**frequency**](http://docs.google.com/java/util/Collections.html#frequency(java.util.Collection,%20java.lang.Object))([Collection](http://docs.google.com/java/util/Collection.html)<?> c, [Object](http://docs.google.com/java/lang/Object.html) o)            Returns the number of elements in the specified collection equal to the specified object. |
| static   | <T extends [Object](http://docs.google.com/java/lang/Object.html) & [Comparable](http://docs.google.com/java/lang/Comparable.html)<? super T>>  T | | --- | | **Collections.**[**max**](http://docs.google.com/java/util/Collections.html#max(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> coll)            Returns the maximum element of the given collection, according to the *natural ordering* of its elements. |
| static   | <T> T | | --- | | **Collections.**[**max**](http://docs.google.com/java/util/Collections.html#max(java.util.Collection,%20java.util.Comparator))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> coll, [Comparator](http://docs.google.com/java/util/Comparator.html)<? super T> comp)            Returns the maximum element of the given collection, according to the order induced by the specified comparator. |
| static   | <T extends [Object](http://docs.google.com/java/lang/Object.html) & [Comparable](http://docs.google.com/java/lang/Comparable.html)<? super T>>  T | | --- | | **Collections.**[**min**](http://docs.google.com/java/util/Collections.html#min(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> coll)            Returns the minimum element of the given collection, according to the *natural ordering* of its elements. |
| static   | <T> T | | --- | | **Collections.**[**min**](http://docs.google.com/java/util/Collections.html#min(java.util.Collection,%20java.util.Comparator))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> coll, [Comparator](http://docs.google.com/java/util/Comparator.html)<? super T> comp)            Returns the minimum element of the given collection, according to the order induced by the specified comparator. |
| boolean | **AbstractSet.**[**removeAll**](http://docs.google.com/java/util/AbstractSet.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this set all of its elements that are contained in the specified collection (optional operation). |
| boolean | **List.**[**removeAll**](http://docs.google.com/java/util/List.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this list all of its elements that are contained in the specified collection (optional operation). |
| boolean | **AbstractCollection.**[**removeAll**](http://docs.google.com/java/util/AbstractCollection.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes all of this collection's elements that are also contained in the specified collection (optional operation). |
| boolean | **Vector.**[**removeAll**](http://docs.google.com/java/util/Vector.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this Vector all of its elements that are contained in the specified Collection. |
| boolean | **Collection.**[**removeAll**](http://docs.google.com/java/util/Collection.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes all of this collection's elements that are also contained in the specified collection (optional operation). |
| boolean | **Set.**[**removeAll**](http://docs.google.com/java/util/Set.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this set all of its elements that are contained in the specified collection (optional operation). |
| boolean | **List.**[**retainAll**](http://docs.google.com/java/util/List.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this list that are contained in the specified collection (optional operation). |
| boolean | **AbstractCollection.**[**retainAll**](http://docs.google.com/java/util/AbstractCollection.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this collection that are contained in the specified collection (optional operation). |
| boolean | **Vector.**[**retainAll**](http://docs.google.com/java/util/Vector.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this Vector that are contained in the specified Collection. |
| boolean | **Collection.**[**retainAll**](http://docs.google.com/java/util/Collection.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this collection that are contained in the specified collection (optional operation). |
| boolean | **Set.**[**retainAll**](http://docs.google.com/java/util/Set.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this set that are contained in the specified collection (optional operation). |
| static   | <T> [Collection](http://docs.google.com/java/util/Collection.html)<T> | | --- | | **Collections.**[**synchronizedCollection**](http://docs.google.com/java/util/Collections.html#synchronizedCollection(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<T> c)            Returns a synchronized (thread-safe) collection backed by the specified collection. |
| static   | <T> [Collection](http://docs.google.com/java/util/Collection.html)<T> | | --- | | **Collections.**[**unmodifiableCollection**](http://docs.google.com/java/util/Collections.html#unmodifiableCollection(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends T> c)            Returns an unmodifiable view of the specified collection. |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [**ArrayDeque**](http://docs.google.com/java/util/ArrayDeque.html#ArrayDeque(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/ArrayDeque.html)> c)            Constructs a deque containing the elements of the specified collection, in the order they are returned by the collection's iterator. |
| [**ArrayList**](http://docs.google.com/java/util/ArrayList.html#ArrayList(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/ArrayList.html)> c)            Constructs a list containing the elements of the specified collection, in the order they are returned by the collection's iterator. |
| [**HashSet**](http://docs.google.com/java/util/HashSet.html#HashSet(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/HashSet.html)> c)            Constructs a new set containing the elements in the specified collection. |
| [**LinkedHashSet**](http://docs.google.com/java/util/LinkedHashSet.html#LinkedHashSet(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/LinkedHashSet.html)> c)            Constructs a new linked hash set with the same elements as the specified collection. |
| [**LinkedList**](http://docs.google.com/java/util/LinkedList.html#LinkedList(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/LinkedList.html)> c)            Constructs a list containing the elements of the specified collection, in the order they are returned by the collection's iterator. |
| [**PriorityQueue**](http://docs.google.com/java/util/PriorityQueue.html#PriorityQueue(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/PriorityQueue.html)> c)            Creates a PriorityQueue containing the elements in the specified collection. |
| [**TreeSet**](http://docs.google.com/java/util/TreeSet.html#TreeSet(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/TreeSet.html)> c)            Constructs a new tree set containing the elements in the specified collection, sorted according to the *natural ordering* of its elements. |
| [**Vector**](http://docs.google.com/java/util/Vector.html#Vector(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/Vector.html)> c)            Constructs a vector containing the elements of the specified collection, in the order they are returned by the collection's iterator. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |
| interface | [**BlockingDeque<E>**](http://docs.google.com/java/util/concurrent/BlockingDeque.html)            A [Deque](http://docs.google.com/java/util/Deque.html) that additionally supports blocking operations that wait for the deque to become non-empty when retrieving an element, and wait for space to become available in the deque when storing an element. |
| interface | [**BlockingQueue<E>**](http://docs.google.com/java/util/concurrent/BlockingQueue.html)            A [Queue](http://docs.google.com/java/util/Queue.html) that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element. |

| Classes in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**ArrayBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)            A bounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) backed by an array. |
| class | [**ConcurrentLinkedQueue<E>**](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html)            An unbounded thread-safe [queue](http://docs.google.com/java/util/Queue.html) based on linked nodes. |
| class | [**ConcurrentSkipListSet<E>**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)            A scalable concurrent [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) implementation based on a [ConcurrentSkipListMap](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html). |
| class | [**CopyOnWriteArrayList<E>**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)            A thread-safe variant of [ArrayList](http://docs.google.com/java/util/ArrayList.html) in which all mutative operations (add, set, and so on) are implemented by making a fresh copy of the underlying array. |
| class | [**CopyOnWriteArraySet<E>**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html)            A [Set](http://docs.google.com/java/util/Set.html) that uses an internal [CopyOnWriteArrayList](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html) for all of its operations. |
| class | [**DelayQueue<E extends Delayed>**](http://docs.google.com/java/util/concurrent/DelayQueue.html)            An unbounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) of Delayed elements, in which an element can only be taken when its delay has expired. |
| class | [**LinkedBlockingDeque<E>**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)            An optionally-bounded [blocking deque](http://docs.google.com/java/util/concurrent/BlockingDeque.html) based on linked nodes. |
| class | [**LinkedBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)            An optionally-bounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) based on linked nodes. |
| class | [**PriorityBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)            An unbounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) that uses the same ordering rules as class [PriorityQueue](http://docs.google.com/java/util/PriorityQueue.html) and supplies blocking retrieval operations. |
| class | [**SynchronousQueue<E>**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html)            A [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa. |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **Semaphore.**[**getQueuedThreads**](http://docs.google.com/java/util/concurrent/Semaphore.html#getQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)> | **ConcurrentSkipListMap.**[**values**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[V](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html)> | **ConcurrentHashMap.**[**values**](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| boolean | **CopyOnWriteArraySet.**[**addAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html)> c)            Adds all of the elements in the specified collection to this set if they're not already present. |
| boolean | **CopyOnWriteArrayList.**[**addAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)> c)            Appends all of the elements in the specified collection to the end of this list, in the order that they are returned by the specified collection's iterator. |
| boolean | **CopyOnWriteArrayList.**[**addAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)> c)            Inserts all of the elements in the specified collection into this list, starting at the specified position. |
| int | **CopyOnWriteArrayList.**[**addAllAbsent**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#addAllAbsent(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)> c)            Appends all of the elements in the specified collection that are not already contained in this list, to the end of this list, in the order that they are returned by the specified collection's iterator. |
| boolean | **SynchronousQueue.**[**containsAll**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns false unless the given collection is empty. |
| boolean | **CopyOnWriteArraySet.**[**containsAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this set contains all of the elements of the specified collection. |
| boolean | **CopyOnWriteArrayList.**[**containsAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#containsAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Returns true if this list contains all of the elements of the specified collection. |
| int | **SynchronousQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/SynchronousQueue.html)> c) |
| int | **PriorityBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)> c) |
| int | **LinkedBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)> c) |
| int | **LinkedBlockingDeque.**[**drainTo**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)> c) |
| int | **DelayQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/DelayQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/DelayQueue.html)> c) |
| int | **BlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/BlockingQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/BlockingQueue.html)> c)            Removes all available elements from this queue and adds them to the given collection. |
| int | **ArrayBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html#drainTo(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)> c) |
| int | **SynchronousQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/SynchronousQueue.html)> c, int maxElements) |
| int | **PriorityBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)> c, int maxElements) |
| int | **LinkedBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)> c, int maxElements) |
| int | **LinkedBlockingDeque.**[**drainTo**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)> c, int maxElements) |
| int | **DelayQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/DelayQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/DelayQueue.html)> c, int maxElements) |
| int | **BlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/BlockingQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/BlockingQueue.html)> c, int maxElements)            Removes at most the given number of available elements from this queue and adds them to the given collection. |
| int | **ArrayBlockingQueue.**[**drainTo**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html#drainTo(java.util.Collection,%20int))([Collection](http://docs.google.com/java/util/Collection.html)<? super [E](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)> c, int maxElements) |
| | <T> [List](http://docs.google.com/java/util/List.html)<[Future](http://docs.google.com/java/util/concurrent/Future.html)<T>> | | --- | | **ExecutorService.**[**invokeAll**](http://docs.google.com/java/util/concurrent/ExecutorService.html#invokeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks)            Executes the given tasks, returning a list of Futures holding their status and results when all complete. |
| | <T> [List](http://docs.google.com/java/util/List.html)<[Future](http://docs.google.com/java/util/concurrent/Future.html)<T>> | | --- | | **AbstractExecutorService.**[**invokeAll**](http://docs.google.com/java/util/concurrent/AbstractExecutorService.html#invokeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks) |
| | <T> [List](http://docs.google.com/java/util/List.html)<[Future](http://docs.google.com/java/util/concurrent/Future.html)<T>> | | --- | | **ExecutorService.**[**invokeAll**](http://docs.google.com/java/util/concurrent/ExecutorService.html#invokeAll(java.util.Collection,%20long,%20java.util.concurrent.TimeUnit))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks, long timeout, [TimeUnit](http://docs.google.com/java/util/concurrent/TimeUnit.html) unit)            Executes the given tasks, returning a list of Futures holding their status and results when all complete or the timeout expires, whichever happens first. |
| | <T> [List](http://docs.google.com/java/util/List.html)<[Future](http://docs.google.com/java/util/concurrent/Future.html)<T>> | | --- | | **AbstractExecutorService.**[**invokeAll**](http://docs.google.com/java/util/concurrent/AbstractExecutorService.html#invokeAll(java.util.Collection,%20long,%20java.util.concurrent.TimeUnit))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks, long timeout, [TimeUnit](http://docs.google.com/java/util/concurrent/TimeUnit.html) unit) |
| | <T> T | | --- | | **ExecutorService.**[**invokeAny**](http://docs.google.com/java/util/concurrent/ExecutorService.html#invokeAny(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks)            Executes the given tasks, returning the result of one that has completed successfully (i.e., without throwing an exception), if any do. |
| | <T> T | | --- | | **AbstractExecutorService.**[**invokeAny**](http://docs.google.com/java/util/concurrent/AbstractExecutorService.html#invokeAny(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks) |
| | <T> T | | --- | | **ExecutorService.**[**invokeAny**](http://docs.google.com/java/util/concurrent/ExecutorService.html#invokeAny(java.util.Collection,%20long,%20java.util.concurrent.TimeUnit))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks, long timeout, [TimeUnit](http://docs.google.com/java/util/concurrent/TimeUnit.html) unit)            Executes the given tasks, returning the result of one that has completed successfully (i.e., without throwing an exception), if any do before the given timeout elapses. |
| | <T> T | | --- | | **AbstractExecutorService.**[**invokeAny**](http://docs.google.com/java/util/concurrent/AbstractExecutorService.html#invokeAny(java.util.Collection,%20long,%20java.util.concurrent.TimeUnit))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<T>> tasks, long timeout, [TimeUnit](http://docs.google.com/java/util/concurrent/TimeUnit.html) unit) |
| boolean | **SynchronousQueue.**[**removeAll**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Always returns false. |
| boolean | **CopyOnWriteArraySet.**[**removeAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this set all of its elements that are contained in the specified collection. |
| boolean | **CopyOnWriteArrayList.**[**removeAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this list all of its elements that are contained in the specified collection. |
| boolean | **ConcurrentSkipListSet.**[**removeAll**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#removeAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Removes from this set all of its elements that are contained in the specified collection. |
| boolean | **SynchronousQueue.**[**retainAll**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Always returns false. |
| boolean | **CopyOnWriteArraySet.**[**retainAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this set that are contained in the specified collection. |
| boolean | **CopyOnWriteArrayList.**[**retainAll**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#retainAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c)            Retains only the elements in this list that are contained in the specified collection. |

| Constructors in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
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| [**ArrayBlockingQueue**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html#ArrayBlockingQueue(int,%20boolean,%20java.util.Collection))(int capacity, boolean fair, [Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)> c)            Creates an ArrayBlockingQueue with the given (fixed) capacity, the specified access policy and initially containing the elements of the given collection, added in traversal order of the collection's iterator. |
| [**ConcurrentLinkedQueue**](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html#ConcurrentLinkedQueue(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html)> c)            Creates a ConcurrentLinkedQueue initially containing the elements of the given collection, added in traversal order of the collection's iterator. |
| [**ConcurrentSkipListSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#ConcurrentSkipListSet(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> c)            Constructs a new set containing the elements in the specified collection, that orders its elements according to their [natural ordering](http://docs.google.com/java/lang/Comparable.html). |
| [**CopyOnWriteArrayList**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#CopyOnWriteArrayList(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)> c)            Creates a list containing the elements of the specified collection, in the order they are returned by the collection's iterator. |
| [**CopyOnWriteArraySet**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#CopyOnWriteArraySet(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html)> c)            Creates a set containing all of the elements of the specified collection. |
| [**DelayQueue**](http://docs.google.com/java/util/concurrent/DelayQueue.html#DelayQueue(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/DelayQueue.html)> c)            Creates a DelayQueue initially containing the elements of the given collection of [Delayed](http://docs.google.com/java/util/concurrent/Delayed.html) instances. |
| [**LinkedBlockingDeque**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html#LinkedBlockingDeque(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)> c)            Creates a LinkedBlockingDeque with a capacity of [Integer.MAX\_VALUE](http://docs.google.com/java/lang/Integer.html#MAX_VALUE), initially containing the elements of the given collection, added in traversal order of the collection's iterator. |
| [**LinkedBlockingQueue**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html#LinkedBlockingQueue(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)> c)            Creates a LinkedBlockingQueue with a capacity of [Integer.MAX\_VALUE](http://docs.google.com/java/lang/Integer.html#MAX_VALUE), initially containing the elements of the given collection, added in traversal order of the collection's iterator. |
| [**PriorityBlockingQueue**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html#PriorityBlockingQueue(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<? extends [E](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)> c)            Creates a PriorityBlockingQueue containing the elements in the specified collection. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) | |
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| Methods in [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
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| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedLongSynchronizer.**[**getExclusiveQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html#getExclusiveQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire in exclusive mode. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedSynchronizer.**[**getExclusiveQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.html#getExclusiveQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire in exclusive mode. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantReadWriteLock.**[**getQueuedReaderThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#getQueuedReaderThreads())()            Returns a collection containing threads that may be waiting to acquire the read lock. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantReadWriteLock.**[**getQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#getQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire either the read or write lock. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedLongSynchronizer.**[**getQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html#getQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedSynchronizer.**[**getQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.html#getQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantLock.**[**getQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantLock.html#getQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire this lock. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantReadWriteLock.**[**getQueuedWriterThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#getQueuedWriterThreads())()            Returns a collection containing threads that may be waiting to acquire the write lock. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedLongSynchronizer.**[**getSharedQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html#getSharedQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire in shared mode. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedSynchronizer.**[**getSharedQueuedThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.html#getSharedQueuedThreads())()            Returns a collection containing threads that may be waiting to acquire in shared mode. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedLongSynchronizer.ConditionObject.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.ConditionObject.html#getWaitingThreads())()            Returns a collection containing those threads that may be waiting on this Condition. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedSynchronizer.ConditionObject.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.ConditionObject.html#getWaitingThreads())()            Returns a collection containing those threads that may be waiting on this Condition. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedLongSynchronizer.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html#getWaitingThreads(java.util.concurrent.locks.AbstractQueuedLongSynchronizer.ConditionObject))([AbstractQueuedLongSynchronizer.ConditionObject](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.ConditionObject.html) condition)            Returns a collection containing those threads that may be waiting on the given condition associated with this synchronizer. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **AbstractQueuedSynchronizer.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.html#getWaitingThreads(java.util.concurrent.locks.AbstractQueuedSynchronizer.ConditionObject))([AbstractQueuedSynchronizer.ConditionObject](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.ConditionObject.html) condition)            Returns a collection containing those threads that may be waiting on the given condition associated with this synchronizer. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantReadWriteLock.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#getWaitingThreads(java.util.concurrent.locks.Condition))([Condition](http://docs.google.com/java/util/concurrent/locks/Condition.html) condition)            Returns a collection containing those threads that may be waiting on the given condition associated with the write lock. |
| protected  [Collection](http://docs.google.com/java/util/Collection.html)<[Thread](http://docs.google.com/java/lang/Thread.html)> | **ReentrantLock.**[**getWaitingThreads**](http://docs.google.com/java/util/concurrent/locks/ReentrantLock.html#getWaitingThreads(java.util.concurrent.locks.Condition))([Condition](http://docs.google.com/java/util/concurrent/locks/Condition.html) condition)            Returns a collection containing those threads that may be waiting on the given condition associated with this lock. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
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| Methods in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **Attributes.**[**values**](http://docs.google.com/java/util/jar/Attributes.html#values())()            Returns a Collection view of the attribute values contained in this Map. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
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| Classes in [javax.management](http://docs.google.com/javax/management/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**AttributeList**](http://docs.google.com/javax/management/AttributeList.html)            Represents a list of values for attributes of an MBean. |

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| boolean | **AttributeList.**[**addAll**](http://docs.google.com/javax/management/AttributeList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c) |
| boolean | **AttributeList.**[**addAll**](http://docs.google.com/javax/management/AttributeList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<?> c) |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
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| Methods in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CompositeDataSupport.**[**values**](http://docs.google.com/javax/management/openmbean/CompositeDataSupport.html#values())()            Returns an unmodifiable Collection view of the item values contained in this CompositeData instance. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **TabularDataSupport.**[**values**](http://docs.google.com/javax/management/openmbean/TabularDataSupport.html#values())()            Returns a collection view of the rows contained in this TabularDataSupport instance. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **TabularData.**[**values**](http://docs.google.com/javax/management/openmbean/TabularData.html#values())()            Returns a collection view of the CompositeData values (ie the rows) contained in this TabularData instance. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CompositeData.**[**values**](http://docs.google.com/javax/management/openmbean/CompositeData.html#values())()            Returns an unmodifiable Collection view of the item values contained in this CompositeData instance. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) | |
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| Classes in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**RoleList**](http://docs.google.com/javax/management/relation/RoleList.html)            A RoleList represents a list of roles (Role objects). |
| class | [**RoleUnresolvedList**](http://docs.google.com/javax/management/relation/RoleUnresolvedList.html)            A RoleUnresolvedList represents a list of RoleUnresolved objects, representing roles not retrieved from a relation due to a problem encountered when trying to access (read or write) the roles. |

| Methods in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| boolean | **RoleUnresolvedList.**[**addAll**](http://docs.google.com/javax/management/relation/RoleUnresolvedList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c) |
| boolean | **RoleList.**[**addAll**](http://docs.google.com/javax/management/relation/RoleList.html#addAll(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<?> c) |
| boolean | **RoleUnresolvedList.**[**addAll**](http://docs.google.com/javax/management/relation/RoleUnresolvedList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<?> c) |
| boolean | **RoleList.**[**addAll**](http://docs.google.com/javax/management/relation/RoleList.html#addAll(int,%20java.util.Collection))(int index, [Collection](http://docs.google.com/java/util/Collection.html)<?> c) |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) | |
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| Classes in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) that implement [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| class | [**JobStateReasons**](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html)            Class JobStateReasons is a printing attribute class, a set of enumeration values, that provides additional information about the job's current state, i.e., information that augments the value of the job's [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) attribute. |

| Constructors in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) with parameters of type [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [**JobStateReasons**](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html#JobStateReasons(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<[JobStateReason](http://docs.google.com/javax/print/attribute/standard/JobStateReason.html)> collection)            Construct a new job state reasons attribute that contains the same [JobStateReason](http://docs.google.com/javax/print/attribute/standard/JobStateReason.html) objects as the given collection. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
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| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **SimpleBindings.**[**values**](http://docs.google.com/javax/script/SimpleBindings.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |

| Uses of [Collection](http://docs.google.com/java/util/Collection.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
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| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) that return [Collection](http://docs.google.com/java/util/Collection.html) | |
| --- | --- |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **JoinRowSet.**[**getRowSets**](http://docs.google.com/javax/sql/rowset/JoinRowSet.html#getRowSets())()            Returns a Collection object containing the RowSet objects that have been added to this JoinRowSet object. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CachedRowSet.**[**toCollection**](http://docs.google.com/javax/sql/rowset/CachedRowSet.html#toCollection())()            Converts this CachedRowSet object to a Collection object that contains all of this CachedRowSet object's data. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CachedRowSet.**[**toCollection**](http://docs.google.com/javax/sql/rowset/CachedRowSet.html#toCollection(int))(int column)            Converts the designated column in this CachedRowSet object to a Collection object. |
| [Collection](http://docs.google.com/java/util/Collection.html)<?> | **CachedRowSet.**[**toCollection**](http://docs.google.com/javax/sql/rowset/CachedRowSet.html#toCollection(java.lang.String))([String](http://docs.google.com/java/lang/String.html) column)            Converts the designated column in this CachedRowSet object to a Collection object. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Collection.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useCollection.html)    [**NO FRAMES**](http://docs.google.com/Collection.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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