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| **Interface/Class** | **Description** |
| Collection<E> | The root interface in the Collection hierarchy which the List<E>, Queue<E> and Set<E> interfaces extend. There is no direct implementation of the Collection<E> interface within the *JDK*. |
| List<E> | Interface for ordered collections of elements. |
| Queue<E> | Interface for holding elements prior to processing. |
| Set<E> | Interface for unique collections of elements. |
| [ArrayList<E>](http://java5tutor.info/java/collections/lists.html) | Random access, resizable-array implementation of the List<E> interface that implements all optional list operations and permits all elements, including null. |
| [Vector<E>](http://java5tutor.info/java/collections/lists.html) | Synchronized random access resizable-array implementation of the List<E> interface. |
| [LinkedList<E>](http://java5tutor.info/java/collections/lists.html) | Sequential access linked implementation of the List<E> interface that implements all optional list operations, and permits all elements, including null. The class also implements the Queue<E> interface, providing first-in-first-out queue operations. |
| [PriorityQueue<E>](http://java5tutor.info/java/collections/queues.html) | Unbounded priority queue implementation of the Queue<E> interface based on a priority heap that does not permit null elements. |
| [HashSet<E>](http://java5tutor.info/java/collections/sets.html) | Implementation of the Set<E> interface using a [HashMap](http://java5tutor.info/java/collections/maps.html) instance. |
| [LinkedHashSet<E>](http://java5tutor.info/java/collections/sets.html) | Hash table and linked list implementation of the Set<E> interface that implements all optional set operations and permits all elements, including null. |
| SortedSet<E> | Interface for unique collections of sorted elements. |
| [TreeSet<E>](http://java5tutor.info/java/collections/sets.html) | Implementation of the Set<E> interface using a [TreeMap](http://java5tutor.info/java/collections/maps.html) instance. |

