

Collections

Extracted from the Java API documentation.

java.util

Class ArrayList<E>

Method Summary	
boolean	add(E o) Appends the specified element to the end of this ArrayList.
void	add(int index, E element) Inserts the specified element at the specified position in this ArrayList.
void	clear() Removes all of the elements from this ArrayList.
Object	clone() Returns a clone of this vector.
boolean	contains(Object elem) Tests if the specified object is a component in this vector.
E	get(int index) Returns the element at the specified index.
int	indexOf(Object elem) Searches for the first occurrence of the given argument, testing for equality using the equals method.
boolean	isEmpty() Tests if this vector has no components.
Iterator<E>	iterator() Returns an iterator over the elements in this list in proper sequence.
E	remove(int index) Removes the element at the specified position in this ArrayList.
boolean	remove(Object o) Removes the first occurrence of the specified element in this ArrayList. If the ArrayList does not contain the element, it is unchanged.
protected void	removeRange(int fromIndex, int toIndex) Removes from this List all of the elements whose index is between fromIndex, inclusive and toIndex, exclusive.
void	set(E obj, int index) Sets the element at the specified index of this vector to be the specified object.
int	size() Returns the number of components in this vector.
Object[]	toArray() Returns an array containing all of the elements in this ArrayList in the correct order.
void	trimToSize() Trims the capacity of this vector to be the vector's current size.

java.util

Class HashSet<E>

Method Summary	
boolean	add(E o) Adds the specified element to this set if it is not already present.
void	clear() Removes all of the elements from this set.
Object	clone() Returns a shallow copy of this HashSet instance: the elements themselves are not cloned.
boolean	contains(Object o) Returns true if this set contains the specified element.
boolean	isEmpty() Returns true if this set contains no elements.
Iterator<E>	iterator() Returns an iterator over the elements in this set.
boolean	remove(Object o) Removes the specified element from this set if it is present.
int	size() Returns the number of elements in this set (its cardinality).

java.util

Class HashMap<K,V>

Method Summary	
void	clear() Removes all mappings from this map.
Object	clone() Returns a shallow copy of this HashMap instance: the keys and values themselves are not cloned.
boolean	containsKey(Object key) Returns true if this map contains a mapping for the specified key.
boolean	containsValue(Object value) Returns true if this map maps one or more keys to the specified value.
V	get(Object key) Returns the value to which the specified key is mapped in this identity hash map, or null if the map contains no mapping for this key.
boolean	isEmpty() Returns true if this map contains no key-value mappings.
Set<K>	keySet() Returns a set view of the keys contained in this map.
V	put(K key, V value) Associates the specified value with the specified key in this map.
V	remove(Object key) Removes the mapping for this key from this map if present.
int	size() Returns the number of key-value mappings in this map.

java.util

Interface Iterator<E>

Method Summary

boolean	hasNext() Returns true if the iteration has more elements.
E	next() Returns the next element in the iteration.
void	remove() Removes from the underlying collection the last element returned by the iterator (optional operation).

[Thomas VanDrumen](#)

Last modified: Mon Apr 9 10:31:33 CDT 2007