

java.util

Class Hashtable

```
java.lang.Object
|
+--java.util.Dictionary
|
+--java.util.Hashtable
```

All Implemented Interfaces:

Cloneable, Map, Serializable

Direct Known Subclasses:

Properties, UIDefaults

```
public class Hashtable
extends Dictionary
implements Map, Cloneable, Serializable
```

This class implements a hashtable, which maps keys to values. Any non-null object can be used as a key or as a value.

...

Since:

JDK1.0

See Also:

`Object.equals(java.lang.Object)`, `Object.hashCode()`, `rehash()`, `Collection`, `Map`, `HashMap`, `TreeMap`, `Serialized Form`

Inner classes inherited from class java.util.Map
<code>Map.Entry</code>

Constructor Summary

Hashtable()

Constructs a new, empty hashtable with a default capacity and load factor, which is 0.75.

Hashtable(int initialCapacity)

Constructs a new, empty hashtable with the specified initial capacity and default load factor, which is 0.75.

Hashtable(int initialCapacity, float loadFactor)

Constructs a new, empty hashtable with the specified initial capacity and the specified load factor.

Hashtable(Map t)

Constructs a new hashtable with the same mappings as the given Map.

Method Summary

void

clear()

Clears this hashtable so that it contains no keys.

Object

clone()

Creates a shallow copy of this hashtable.

boolean

contains(Object value)

Tests if some key maps into the specified value in this hashtable.

boolean

containsKey(Object key)

Tests if the specified object is a key in this hashtable.

boolean

containsValue(Object value)

Returns true if this Hashtable maps one or more keys to this value.

Enumeration

elements()

Returns an enumeration of the values in this hashtable.

Set

entrySet()

Returns a Set view of the entries contained in this Hashtable.

boolean

equals(Object o)

Compares the specified Object with this Map for equality, as per the definition in the Map interface.

Object

get(Object key)

Returns the value to which the specified key is mapped in this hashtable.

int

hashCode()

Returns the hash code value for this Map as per the definition in the Map interface.

boolean

isEmpty()

Tests if this hashtable maps no keys to values.

Enumeration

keys()

Returns an enumeration of the keys in this hashtable.

Set	keySet() Returns a Set view of the keys contained in this Hashtable.
Object	put (Object key, Object value) Maps the specified key to the specified value in this hashtable.
void	putAll (Map t) Copies all of the mappings from the specified Map to this Hashtable. These mappings will replace any mappings that this Hashtable had for any of the keys currently in the specified Map.
protected void	rehash() Increases the capacity of and internally reorganizes this hashtable, in order to accommodate and access its entries more efficiently.
Object	remove (Object key) Removes the key (and its corresponding value) from this hashtable.
int	size() Returns the number of keys in this hashtable.
String	toString() Returns a string representation of this Hashtable object in the form of a set of entries, enclosed in braces and separated by the ASCII characters ", " (comma and space).
Collection	values() Returns a Collection view of the values contained in this Hashtable.

Methods inherited from class java.lang.Object

finalize, getClass, notify, notifyAll, wait, wait, wait

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