

Java HashMap Methods

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All HashMap Methods

A list of all HashMap methods can be found in the table below.

Some methods use the type of the HashMap's entries as a parameter or return value. The type of the key will be referred to as *K* and the type of the value will be referred to as *V* in the table.

Method	Description	Return Type
<u>clear()</u>	Remove all entries from the map.	void
<u>clone()</u>	Create a copy of the HashMap.	Object
<u>compute()</u>	Compute a value for an entry based on its key and the current value (if it has one)	V
<u>computeIfAbsent()</u>	Compute a value for an entry based on its key only if an entry using the key does not already exist	V
<u>computeIfPresent()</u>	Compute a new value for an entry based on its key and current value but only if an entry with the key already exists	V
<u>containsKey()</u>	Indicate if an entry with the specified key exists in the map	boolean
<u>containsValue()</u>	Indicate if an entry with the specified value exists in the map	boolean
<u>entrySet()</u>	Return a set of all entries in the map	Set<Map.Entry<K,V>



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<u>get()</u>	Return the value of the entry with a specified key	V
<u>getOrDefault()</u>	Return the value of the entry with a specified key or a default value if the entry is not found	V
<u>isEmpty()</u>	Indicate whether the map is empty	boolean
<u>keySet()</u>	Return a set of all keys in the map	Set<K>
<u>merge()</u>	Compute a value for an entry based on its key and value or write a specific value if the entry does not yet exist	V
<u>put()</u>	Write an entry into the map	V
<u>putAll()</u>	Write all of the entries from another map into this one	void
<u>putIfAbsent()</u>	Write an entry into the map but only if an entry with the same key does not already exist	V
<u>remove()</u>	Remove an entry from the map	V boolean
<u>replace()</u>	Write to an entry in the map only if it exists	V boolean
<u>replaceAll()</u>	Replaces the value of every entry with the result of an operation	void
<u>size()</u>	Return the number of entries in the map	int
<u>values()</u>	Return a collection containing all of the values in the map	Collection<V>

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