**Methods of Hashtable**

* **K** – The type of the keys in the map.
* **V** – The type of values mapped in the map.

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [clear()](https://www.geeksforgeeks.org/hashtable-clear-method-in-java/#:~:text=Hashtable.,keys%20from%20a%20specified%20Hashtable.&text=Parameters%3A%20The%20method%20does%20not,does%20not%20return%20any%20value.) | Clears this hashtable so that it contains no keys. |
| [clone()](https://www.geeksforgeeks.org/hashtable-clone-method-in-java/) | Creates a shallow copy of this hashtable. |
| [compute(K key, BiFunction<? super](https://www.geeksforgeeks.org/hashtable-compute-method-in-java-with-examples/#:~:text=The%20compute(Key%2C%20BiFunction),no%20current%20mapping%20is%20found).)  [K,? super V,? extends V> remappingFunction)](https://www.geeksforgeeks.org/hashtable-compute-method-in-java-with-examples/#:~:text=The%20compute(Key%2C%20BiFunction),no%20current%20mapping%20is%20found).) | Attempts to compute a mapping for the specified key and its current mapped value (or null if there is no current mapping). |
| [computeIfAbsent(K key, Function<? super K,?](https://www.geeksforgeeks.org/hashmap-computeifabsent-method-in-java-with-examples/)  [extends V> mappingFunction)](https://www.geeksforgeeks.org/hashmap-computeifabsent-method-in-java-with-examples/) | If the specified key is not already associated with a value (or is mapped to null), attempts to compute its value using the given mapping function and enters it into this map unless null. |
| [computeIfPresent(K key, BiFunction<? super K,? super V,? extends V> remappingFunction)](https://www.geeksforgeeks.org/hashmap-computeifpresentkey-bifunction-method-in-java-with-examples/) | If the value for the specified key is present and non-null, attempts to compute a new mapping given the key and its current mapped value. |
| [contains(Object value)](https://www.geeksforgeeks.org/hashtable-contains-method-in-java/#:~:text=Hashtable.,keys%20present%20in%20the%20Hashtable.&text=Return%20Value%3A%20The%20method%20returns,the%20keys%20in%20the%20Hashtable.) | Tests if some key maps into the specified value in this hashtable. |
| [containsKey(Object key)](https://www.geeksforgeeks.org/hashtable-containskey-method-in-java/) | Tests if the specified object is a key in this hashtable. |
| [containsValue(Object value)](https://www.geeksforgeeks.org/hashtable-containsvalue-method-in-java/#:~:text=Hashtable.,the%20keys%20in%20the%20table.) | Returns true if this hashtable maps one or more keys to this value. |
| [elements()](https://www.geeksforgeeks.org/hashtable-elements-method-in-java/#:~:text=Hashtable.,values%20present%20in%20the%20hashtable.&text=Parameters%3A%20The%20method%20does%20not,the%20values%20of%20the%20Hashtable.) | Returns an enumeration of the values in this hashtable. |
| entrySet() | Returns a Set view of the mappings contained in this map. |
| equals(Object o) | Compares the specified Object with this Map for equality, as per the definition in the Map interface. |
| [get(Object key)](https://www.geeksforgeeks.org/hashtable-get-method-in-java/) | Returns the value to which the specified key is mapped, or null if this map contains no mapping for the key. |
| hashCode() | Returns the hash code value for this Map as per the definition in the Map interface. |
| [isEmpty()](https://www.geeksforgeeks.org/hashtable-isempty-method-in-java/) | Tests if this hashtable maps no keys to values. |
| [keys()](https://www.geeksforgeeks.org/hashtable-keys-method-in-java/) | Returns an enumeration of the keys in this hashtable. |
| keySet() | Returns a Set view of the keys contained in this map. |
| merge(K key, V value, BiFunction<? super V,? super V,? extends V> remappingFunction) | If the specified key is not already associated with a value or is associated with null, associates it with the given non-null value. |
| [put(K key, V value)](https://www.geeksforgeeks.org/hashtable-put-method-in-java/#:~:text=Hashtable.,replaced%20by%20the%20new%20value.) | Maps the specified key to the specified value in this hashtable. |
| putAll(Map<? extends K,? extends V> t) | Copies all of the mappings from the specified map to this hashtable. |
| rehash() | Increases the capacity of and internally reorganizes this hashtable, in order to accommodate and access its entries more efficiently. |
| remove​(Object key) | Removes the key (and its corresponding value) from this hashtable. |
| [size()](https://www.geeksforgeeks.org/hashtable-size-method-in-java/#:~:text=Hashtable.,or%20mappings%20in%20the%20Table.&text=Parameters%3A%20The%20method%20does%20not%20take%20any%20parameters.) | Returns the number of keys in this hashtable. |
| [toString()](https://www.geeksforgeeks.org/hashtable-tostring-method-in-java/) | 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). |
| values() | Returns a Collection view of the values contained in this map. |

**Methods declared in interface java.util.Map**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [forEach(BiConsumer<? super K,? super V> action)](https://www.geeksforgeeks.org/hashtable-foreach-method-in-java-with-examples/#:~:text=The%20forEach(BiConsumer)%20method%20of,in%20the%20order%20of%20iteration.) | Performs the given action for each entry in this map until all entries have been processed or the action throws an exception. |
| getOrDefault(Object key, V defaultValue) | Returns the value to which the specified key is mapped, or defaultValue if this map contains no mapping for the key. |
| putIfAbsent​(K key, V value) | If the specified key is not already associated with a value (or is mapped to null) associates it with the given value and returns null, else returns the current value. |
| remove​(Object key,                       Object value) | Removes the entry for the specified key only if it is currently mapped to the specified value. |
| replace(K key, V value) | Replaces the entry for the specified key only if it is currently mapped to some value. |
| replace(K key, V oldValue, V newValue) | Replaces the entry for the specified key only if currently mapped to the specified value. |
| replaceAll(BiFunction<? super K,? super V,? extends V> function) | Replaces each entry’s value with the result of invoking the given function on that entry until all entries have been processed or the function throws an exception. |