**Methods of LinkedHashMap**

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

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| containsValue​(Object value) | Returns true if this map maps one or more keys to the specified value. |
| entrySet() | Returns a Set view of the mappings contained in this map. |
| [get​(Object key)](https://www.geeksforgeeks.org/linkedhashmap-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. |
| keySet() | Returns a Set view of the keys contained in this map. |
| [removeEldestEntry​(Map.Entry<K,​V> eldest)](https://www.geeksforgeeks.org/linkedhashmap-removeeldestentry-method-in-java/) | Returns true if this map should remove its eldest entry. |
| values() | Returns a Collection view of the values contained in this map. |

**Methods declared in class java.util.HashMap**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [clear()](https://www.geeksforgeeks.org/hashmap-clear-method-in-java/) | Removes all of the mappings from this map. |
| [clone()](https://www.geeksforgeeks.org/hashmap-clone-method-in-java/) | Returns a shallow copy of this HashMap instance: the keys and values themselves are not cloned. |
| [compute​(K key, BiFunction<? super K,​? super V,​? extends V> remappingFunction)](https://www.geeksforgeeks.org/hashmap-compute-method-in-java-with-examples/#:~:text=The%20compute(Key%2C%20BiFunction),for%20given%20key%20in%20HashMap.) | 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,​? 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. |
| [containsKey​(Object key)](https://www.geeksforgeeks.org/hashmap-containskey-method-in-java/#:~:text=util.,is%20mapped%20in%20the%20map.) | Returns true if this map contains a mapping for the specified key. |
| [containsValue​(Object value)](https://www.geeksforgeeks.org/hashmap-containsvalue-method-in-java/#:~:text=util.,the%20key%20in%20the%20map.) | Returns true if this map maps one or more keys to the specified value. |
| [entrySet()](https://www.geeksforgeeks.org/hashmap-entryset-method-in-java/#:~:text=HashMap.,the%20map%20elements%20into%20them.&text=Program%201%3A%20Mapping%20String%20Values%20to%20Integer%20Keys.) | Returns a Set view of the mappings contained in this map. |
| [get​(Object key)](https://www.geeksforgeeks.org/hashmap-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. |
| [isEmpty()](https://www.geeksforgeeks.org/hashmap-isempty-method-in-java/) | Returns true if this map contains no key-value mappings. |
| [keySet()](https://www.geeksforgeeks.org/hashmap-keyset-method-in-java/) | Returns a Set view of the keys contained in this map. |
| [merge​(K key, V value, BiFunction<? super V,​? super V,​? extends V> remappingFunction)](https://www.geeksforgeeks.org/hashmap-mergekey-value-bifunction-method-in-java-with-examples/) | 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/hashmap-put-method-in-java/#:~:text=put()%20method%20of%20HashMap,gets%20inserted%20as%20a%20whole.) | Associates the specified value with the specified key in this map. |
| [putAll​(Map<? extends K,​? extends V> m)](https://www.geeksforgeeks.org/hashmap-putall-method-in-java/) | Copies all of the mappings from the specified map to this map. |
| [remove​(Object key)](https://www.geeksforgeeks.org/hashmap-remove-method-in-java/#:~:text=HashMap.,particular%20key%20in%20the%20Map.&text=Parameters%3A%20The%20method%20takes%20one,be%20removed%20from%20the%20Map.) | Removes the mapping for the specified key from this map if present. |
| [size()](https://www.geeksforgeeks.org/hashmap-size-method-in-java/) | Returns the number of key-value mappings in this map. |
| [values()](https://www.geeksforgeeks.org/hashmap-values-method-in-java/) | Returns a Collection view of the values contained in this map. |

**Methods declared in class java.util.AbstractMap**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [equals​(Object o)](https://www.geeksforgeeks.org/abstractmap-equals-method-in-java-with-examples/#:~:text=Parameters%3A%20The%20method%20accepts%20one,map%20else%20it%20returns%20false.) | Compares the specified object with this map for equality. |
| [hashCode()](https://www.geeksforgeeks.org/abstractmap-hashcode-method-in-java-with-examples/) | Returns the hash code value for this map. |
| toString() | Returns a string representation of this map. |

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

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [clear()](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-clear-method-in-java-with-example/&sa=U&ved=2ahUKEwj-i5nS8uDrAhWozzgGHd-ZBWsQFjAGegQIAhAC&usg=AOvVaw1x2CCqsQLCuohqJq85r2Sa) | Removes all of the mappings from this map (optional operation). |
| compute​(K key, BiFunction<? super K,​? super V,​? extends V> remappingFunction) | 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,​? extends V> mappingFunction) | 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) | 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. |
| [containsKey​(Object key)](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-containskey-method-in-java-with-examples/&sa=U&ved=2ahUKEwis-drg8uDrAhWZxzgGHeNHDaE4ChAWMAh6BAgDEAI&usg=AOvVaw2k7MSHYCABkhQhETqrj1N1) | Returns true if this map contains a mapping for the specified key. |
| [equals​(Object o)](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-equals-method-in-java-with-examples/&sa=U&ved=2ahUKEwis-drg8uDrAhWZxzgGHeNHDaE4ChAWMAJ6BAgHEAI&usg=AOvVaw1vdMdin9z9s26EUO8JRlNH) | Compares the specified object with this map for equality. |
| forEach​(BiConsumer<? super K,​? super V> action) | 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. |
| [hashCode()](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-hashcode-method-in-java-with-examples/&sa=U&ved=2ahUKEwia1dGK8-DrAhWx4jgGHbrfAj44HhAWMAd6BAgEEAE&usg=AOvVaw1tvZf568cEQFqFupy1ousj) | Returns the hash code value for this map. |
| [isEmpty()](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-isempty-method-in-java-with-examples/&sa=U&ved=2ahUKEwis-drg8uDrAhWZxzgGHeNHDaE4ChAWMAB6BAgFEAE&usg=AOvVaw0ywKRPWq8-kZgNV7Q5tIo4) | Returns true if this map contains no key-value mappings. |
| 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.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-put-method-in-java-with-examples/&sa=U&ved=2ahUKEwis-drg8uDrAhWZxzgGHeNHDaE4ChAWMAR6BAgGEAE&usg=AOvVaw1NRbThRQdjwLxH9aiqz-9g) | Associates the specified value with the specified key in this map (optional operation). |
| [putAll​(Map<? extends K,​? extends V> m)](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-putall-method-in-java-with-examples/&sa=U&ved=2ahUKEwj-i5nS8uDrAhWozzgGHd-ZBWsQFjAJegQIBRAB&usg=AOvVaw3b4RtBJcXMkxju25fPqj_x) | Copies all of the mappings from the specified map to this map (optional operation). |
| 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)](https://www.geeksforgeeks.org/map-remove-method-in-java-with-examples/) | Removes the mapping for a key from this map if it is present (optional operation). |
| 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. |
| [size()](https://www.google.com/url?client=internal-element-cse&cx=009682134359037907028:tj6eafkv_be&q=https://www.geeksforgeeks.org/map-size-method-in-java-with-examples/&sa=U&ved=2ahUKEwjT1eWA8-DrAhUszDgGHXKcDCo4FBAWMAV6BAgFEAI&usg=AOvVaw2bQ84F918PwBfNNvzodU0g) | Returns the number of key-value mappings in this map. |