|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lists** | **Ordnung** | **Threadsafe** | **Duplikate** | **Add** | **Remove** | **Get** | **Contains** | **Insert** |
| ArrayList | geordnet | nein | ja | O(1) | O(n) | O(1) | O(n) | O(n) |
| LinkedList | geordnet | nein | ja | O(1) | O(1) | O(n) | O(n) | O(n) |
| Vector | geordnet | ja | ja | O(1) | O(n) | O(1) | O(n) | O(n) |
|  |  |  |  |  |  |  |  |  |
| **Sets** | **Ordnung** | **Threadsafe** | **Duplikate** | **Add** | **Remove** |  | **Contains** | **Next** |
| HashSet | ungeordnet | nein | nein | O(1) | O(1) |  | O(1) | O(n) |
| LinkedHashSet | geordnet | nein | nein | O(1) | O(1) |  | O(1) | O(1) |
| TreeSet | sortiert | nein | nein | O(log n) | O(log n) |  | O(log n) | O(log n) |
|  |  |  |  |  |  |  |  |  |
| **Maps** | **Ordnung** | **Threadsafe** | **Duplikate**  **Key/Value** | **Put** | **Remove** | **Get** | **ContainsKey** | **Next** |
| HashMap | ungeordnet | nein | nein/ja | O(1) | O(1) | O(1) | O(1) | O(n) |
| LinkedHashMap | geordnet | nein | nein/ja | O(1) | O(1) | O(1) | O(1) | O(1) |
| Hashtable | ungeordnet | ja | nein/ja | O(1) | O(1) | O(1) | O(1) | O(n) |
| TreeMap | sortiert | nein | nein/ja | O(log n) | O(log n) | O(log n) | O(log n) | O(1) |
|  |  |  |  |  |  |  |  |  |
| **Queues** | **Ordnung** | **Threadsafe** | **Duplikate** | **Offer** | **Remove** | **Poll** | **Peak** |  |
| LinkedList | geordnet | nein | ja | O(1) | O(1) | O(1) | O(1) | Double Ended |
| PriorityQueue | geordnet | nein | ja | O(log n) | O(n) | O(log n) | O(1) |  |
| ArrayDequeue | geordnet | nein | ja | O(1) | O(n) | O(1) | O(1) | Double Ended |