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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | version | Ordered/unordered | Duplicate/unique | Heterogenous | DataStructure | threadsafe | null | How many ways to print object |
| ArrayList | 1.2 | Ordered | Duplicate \* | Yes | Growable Array | No | Multiple |  |
| LinkedList | 1.2 | ordered | Duplicate \* | Yes | Doubly LinkedList | No | Multiple |  |
| Vector | 1.0 | ordered | Duplicate | Yes | Growable Array | Yes | Multiple |  |
| HashSet | 1.2 | unordered | unique | Yes | Hashtable | No | Single |  |
| LinkedHashSet | 1.4 | Ordered by insertion | unique | Yes | Hashtable + LinkedList | No | Single |  |
| TreeSet | 1.2 | Ordered by sorting | unique | No | Balanced Tree | No | No |  |
| Hashtable | 1.0 | unordered | Key – unique  Value -duplicate | Yes | Hashtable | Yes | No |  |
| HashMap | 1.2 | unordered | Key – unique  Value -duplicate | Yes | Hashtable \*(Balanced tree 1.8) | No | Key – single  Value - multiple |  |
| LinkedHashMap | 1.4 | Ordered by key insertion | Key – unique  Value -duplicate | Yes | Hashtable + LinkedList | No | Key – single  Value - multiple |  |
| TreeMap | 1.2 | Ordered by sorting | Key – unique  Value -duplicate | No | Hashtable | No | Key – No  Value -Multiple |  |
| ConcurrentHashMap | 1.5 | unordered | Key – unique  Value -duplicate | Yes | Hashtable | Yes | Key – no value-No |  |
| CopyOnWriteArrayList | 1.5 | unordered | duplicate | Yes | Growable Array | Yes | Yes |  |
| CopyOnWriteArraySet | 1.5 | unordered | unique | Yes | Hashtable | Yes | single |  |