## List implementations:

## Set implementations:

```
add
                               contains next
                                                 notes
HashSet
                      0(1)
                              0(1)
                                      0(h/n)
                                                 h is the table capacity
LinkedHashSet
                      0(1)
                               0(1)
                                        0(1)
CopyOnWriteArraySet
                      0(n)
                              0(n)
                                        0(1)
EnumSet
                      0(1)
                               0(1)
                                        0(1)
                      O(log n) O(log n) O(log n)
TreeSet
ConcurrentSkipListSet O(log n) O(log n) O(1)
```

## Map implementations:

```
containsKey next
                                                    Notes
                      get
HashMap
                      0(1)
                               0(1)
                                           0(h/n)
                                                    h is the table capacity
LinkedHashMap
                      0(1)
                               0(1)
                                           0(1)
IdentityHashMap
                      0(1)
                               0(1)
                                           0(h/n)
                                                    h is the table capacity
EnumMap
                      0(1)
                               0(1)
                                           0(1)
TreeMap
                      O(log n) O(log n)
                                           O(log n)
                                                    h is the table capacity
ConcurrentHashMap
                      0(1)
                               0(1)
                                           0(h/n)
ConcurrentSkipListMap O(log n) O(log n)
                                           0(1)
```

## Queue implementations:

```
offer
                               peek poll
                                             size
PriorityQueue
                      O(log n) O(1) O(log n) O(1)
ConcurrentLinkedQueue O(1)
                               0(1) 0(1)
                                             0(n)
ArrayBlockingQueue
                      0(1)
                               0(1) 0(1)
                                             0(1)
LinkedBlockingQueue
                      0(1)
                               0(1) 0(1)
                                             0(1)
PriorityBlockingQueue O(log n) O(1) O(log n) O(1)
DelayQueue
                      O(log n) O(1) O(log n) O(1)
LinkedList
                      0(1)
                               0(1) 0(1)
                                             0(1)
ArrayDeque
                      0(1)
                               0(1) 0(1)
                                             0(1)
LinkedBlockingDeque
                      0(1)
                               0(1) 0(1)
                                             0(1)
```