

Collection classes and its characteristics

Table 5-6. Collection Class Characteristics

Class	Sequential Access?	Random Access?	Thread-Safe?	Allows Duplicates?	Sorted?
ArrayList	Yes	Yes	No	Yes	No
LinkedList	Yes	Yes	No	Yes	No
Vector	Yes	Yes	Yes	Yes	No
Stack	Yes	Yes	Yes	Yes	No
HashSet	No	Yes	No	No	No
LinkedHashSet	No	Yes	No	No	No
TreeSet	No	Yes	No	No	Yes
EnumSet	No	Yes	No	No	No
HashMap	No	Yes	No	No	No
LinkedHashMap	No	Yes	No	No	No
TreeMap	No	Yes	No	No	Yes
EnumMap	No	Yes	No	No	No
IdentityHashMap	No	Yes	No	No	No
WeakHashMap	No	Yes	No	No	No
ConcurrentHashMap	No	Yes	Yes	No	No
PriorityQueue	Yes	No	Yes	Yes	Yes
PriorityBlockingQueue	Yes	No	Yes	Yes	Yes
ArrayBlockingQueue	Yes	No	Yes	Yes	No
LinkedBlockingQueue	Yes	No	Yes	Yes	No
ConcurrentLinkedQueue	Yes	No	Yes	Yes	No
SynchronousQueue	Yes	No	Yes	Yes	No
DelayQueue	Yes	No	Yes	Yes	Yes