Class

Class

Linked Hash Map

Hash Map

Tree Map

Sorted Set

Linked Hash Set

Hash Set

Priority Queue

Array Deque

Deque

Tree Set

Stack

Vector

Linked Array List

Array list

SET

QUEUE

Interface

LIST

collections

list :

# order one

#index

#Contains duplicate

#null is allowed

Array list:

#order one

#index

#duplicate allow

#null is allowed

#dynamic array

#growable(dynamically increased)

#synchronized

Linked list:

#order one

#index

#duplicate allow

#null is allowed

#insertion and deletion are done in both sides

#doubly linked list

#it is faster than array list

#manipulation is fast

Vector:

#order one

#index

#duplicate allow

#null is allowed

#slower

#faster than array list

#non synchronized

#double the size(in run time)

Stack:

#order(LIFO)

#index

#duplicate allowed

#null is allowed

Set:

#unorder

#no index

#no duplicate

#null is allowed(only one) its is based on the value

Hash set:

#unorder

#no index

#no duplicate

#null value is allowed (only one)

Linked hash set:

#order

#no index

#no duplicate

# null is allowed (only one)

Sorted set:

#order(a.o)

#no index

#no duplicate

#null is not allowed

Tree set:

# order (a.o)

#no index

#no duplicate

#null is not allowed

Queue:

# order(fifo)

# index

#duplicates allowed

#null is not allowed

Priority queue:

#order

#no index

# duplicate allowed

# null is not allowed

Deque:

#order

#index

#duplicate is allowed

#null is not allowed(exception throws)

Array deque:

#order

#index

#duplicate is allowed

#null is not allowed

Map:

#no order

#no index(only based on key value)

#duplicate allowed for value but not for key

#null is not allowed

Hash map:

#unorder

#index can access only with key

#duplicate allowed for value but not for key

#null is not allowed for both key and value

Linked hash map:

#order

#index can access only with key

#duplicate allowed for value but not for key\*(it doesn’t show exception but it is not adviceable)

#null is not allowed for both key and value

Sorted map:

#order(a.o)

#index can access only with key

#duplicate allowed for value but not for key\*(it doesn’t show exception but it is not adviceable)

#null is not allowed for both key and value