

collection Framework

Framework: A framework is pre-written code body/^{class} which is used to solve problems.

Interface: Interface is an abstract/~~by~~ reference type whose methods are implemented in main class.

Framework: Collection

Two main parts

Collection

- has basic methods
as add, remove, send...
... etc.
- collection interface
can be derived

Map

- Implementation classy
 - Hashtable
 - HashMap

into three more categories

- (1) set, (2) list, (iii) Queue (fifo) /
deQueue (fifo, lifo)

Implementation classes of list

- (i) ArrayList (ii) LinkedList, (iii) Stack (iv) vector

Implementation classes of set

- (i) HashSet
(ii) TreeSet

Implementation classes of queue/dequeue

- (i) Priority Queue
(ii) ArrayDeque
(iii) LinkedList (deQueue)