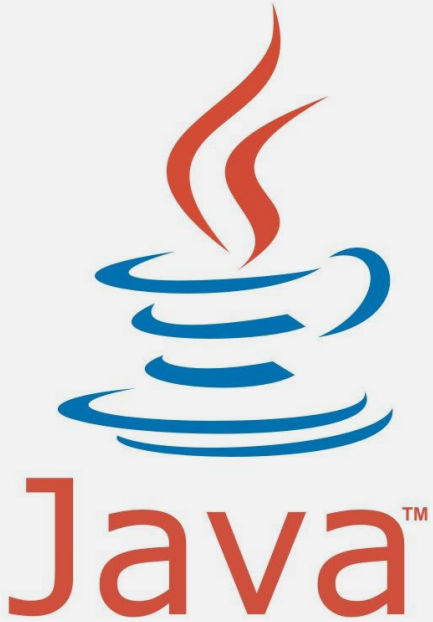
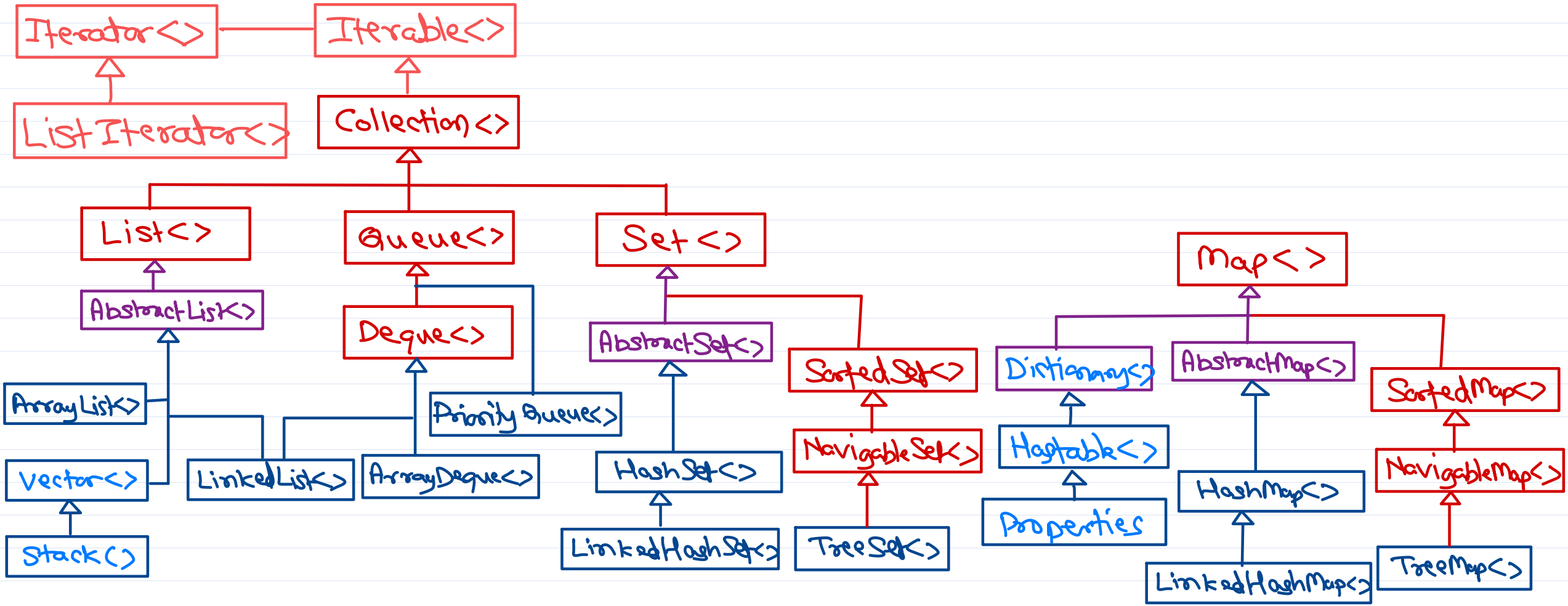


Core Java

Trainer: Nilesh Ghule

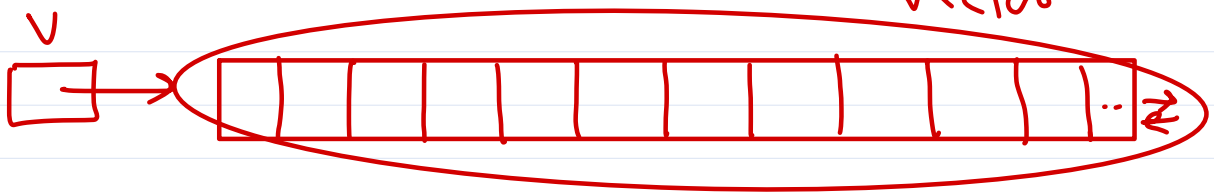
Java Collection Framework



Vector vs ArrayList vs LinkedList

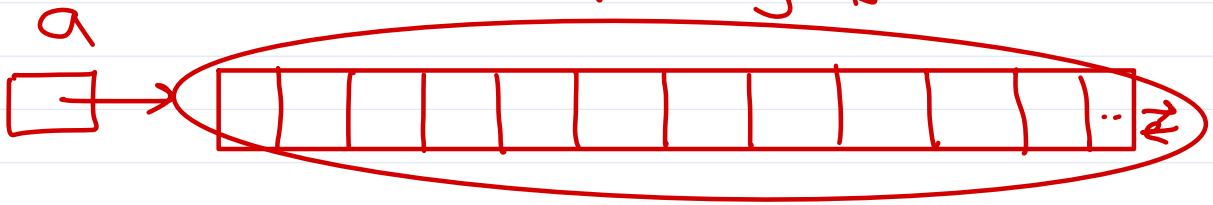
Vector v = new Vector();

* Dynamically growable/shrinkable array.
* Synchronized class / slower
* Legacy (1.0) * growth = 2 * capacity

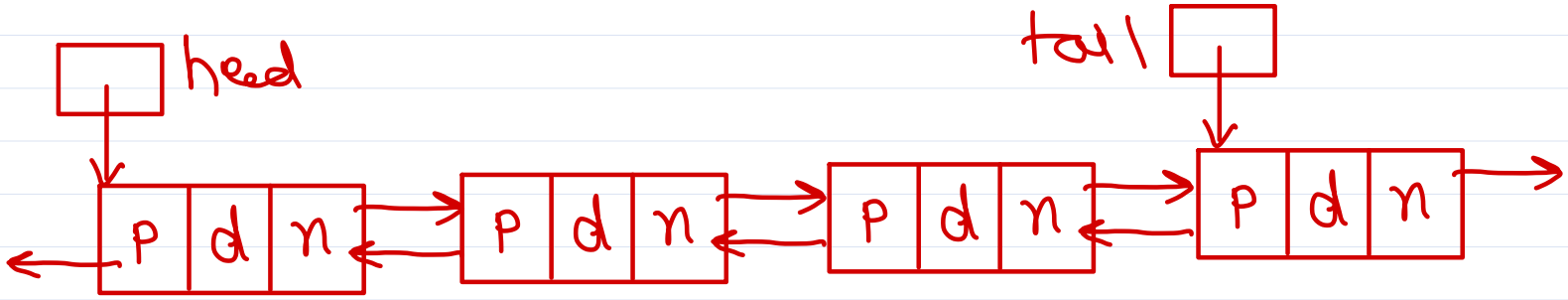


ArrayList a = new ArrayList();

* Dynamically growable/shrinkable array.
* Non-synchronized / Faster
* Collection framework (1.2)
* growth = 1.5 * capacity

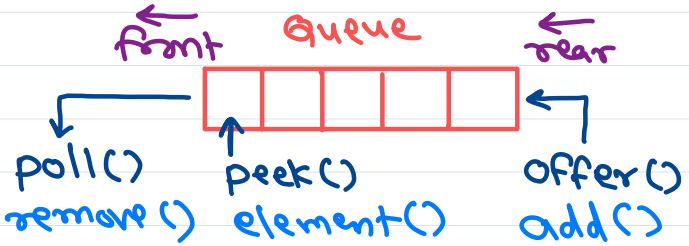


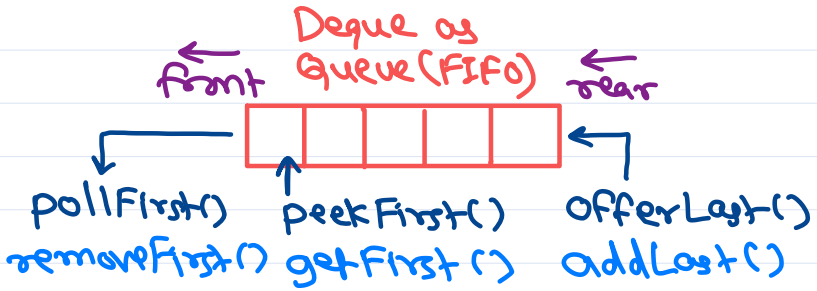
LinkedList l = new LinkedList();

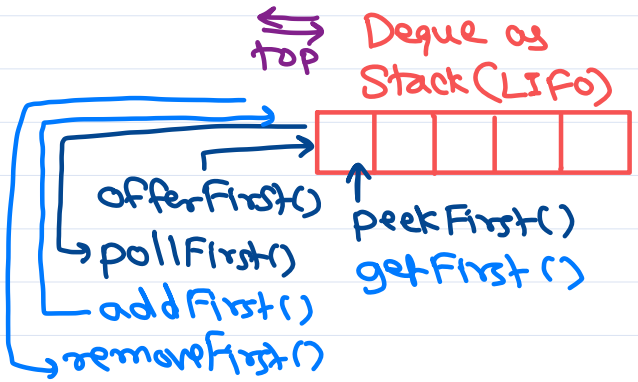


* Doubly Linked List
* frequent add/delete op.
* slower random access.
* Inherited from List, Queue

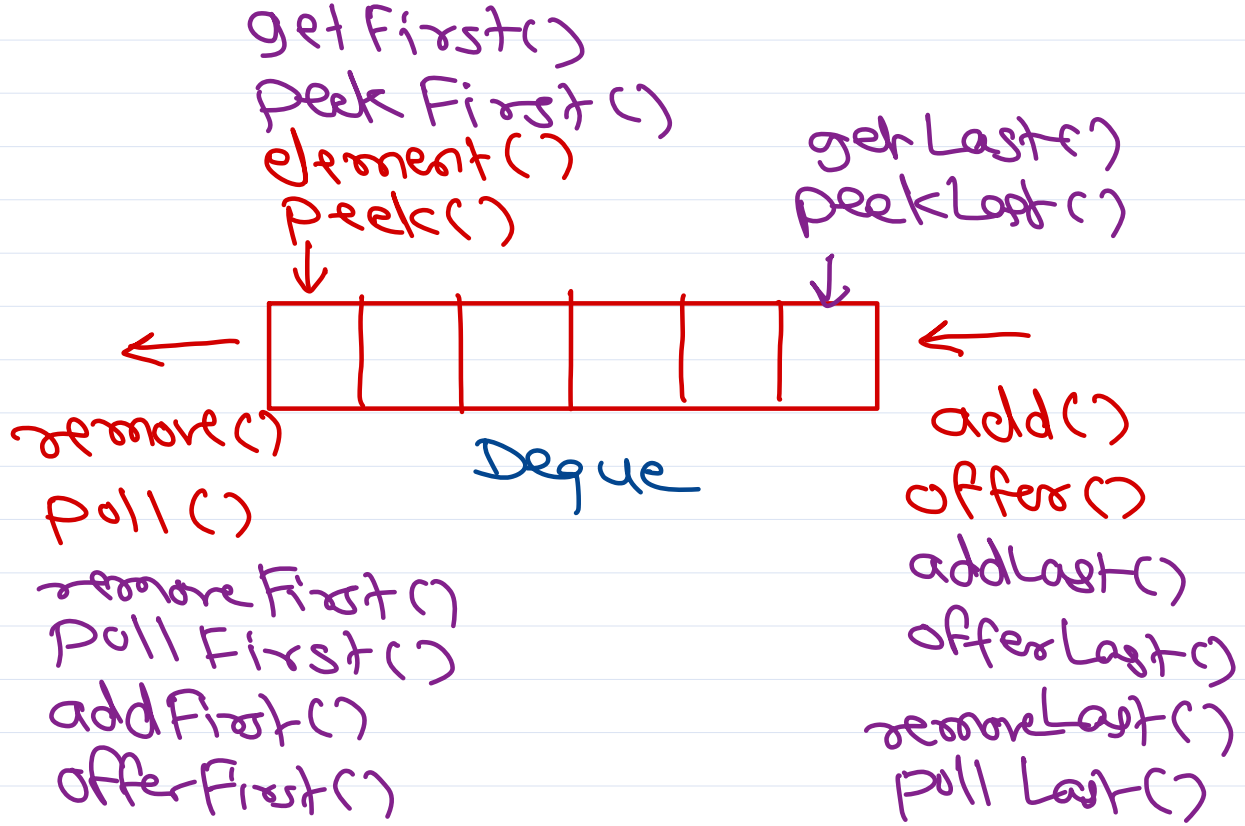
Queue







Queue D.S.	Stack D.S.
① FIFO	① LIFO
② Add/Remove is from Diff ends (Rear/Front)	② Add/Remove is from Same end (top).



Thank you!

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