(for iterating elements in forward only dir) ITERATOR ii) Object next() iii) uoid romane () i) booken has Nort() (next enterface of all Collection class) ITERABLE i) Iterator (T> derator () 11) word for Each () i) hookan add (Ee) ii) bookan add All (Ee) iii) woid clear () Collection introduce is the foundation of COLLECTION iv) boolean contains (Object 0) v) boolean contains All (Collection <?> c) Collection frameworks. It declares mithade vi) boolean squals (Object o) vii) boolean is Empty () viii) boolean remove All (c) that owny collection class will have ) ix) boolean remove If ( Audicate) x) boolean retain All (c) xi) stint size () xi) Object [] to Asway () xii) Stream (E) stream () (indexed, ordered, duplicates allowed) (FIFO, Ordered, duplicates allewed) SET Clinoided set, one rull value allowed, QUEUE i) add (E e) ii) peck () iii) poll() LIST i) add (int induc, E) ii) E get (int induc) iv) element () metricus, not remove head i) intinducof (i) iv) int dast Inducof (0) CLASS (thering is used to save aborders in HASH SET Hack table, Hack Map, one nell realise. V) termoue () v) remove (int induc) remove (0) get (induc) vi) set (index, E) vii) soid sout () PRIORITY BUEUE (Uses Comparator, luxed on priority heap. The head of the grove is the heart cleanent) viii) dist (E) sublist (from Indux, to Indux) LINKED HOSINGET Condictable iteration order. ix) Object [] to Assert () order of insection is maintained. i) Comparator () returns comparates complementing the queue or out if according to natural order ARRAY LIST (maintains insection order, handom access)

N i) addAll (index, c) ii) close () (shallow copy) \_\_\_ SORTED SET (ascending order comparable)
comparator reads to be specified) DEQUE (Can be used as a stack / Queue)

Travetion and summeral possible at both and. in) somere Range (from, to) iv) trim To Singe () i) first () returns lowest alement in the set ii) headbelt (to Element) element < to Element LINKED LIST (doubly 11, deplicates, factus manipulation) ARRAY DESUE (Father there accomplist, iii) taillet (from Element) element >= from Ele. i) add First (Fe) ii) add last (Fe) iii) doment () disheddist and Stack) answered modifications "iv) subbet (from, to) from <- cloraent < to. iv) descending Iterator () v) get (index) get First, get last. are pushibited by exception. TREESET: (Based on The Map O(logn) time for vi) peck (), peckforst (), pecklast vii) poli(), polif, polil viii) pop () ix) push() add, romous, contains, Null not allowed) MAP (Key-latur pain, no duplicate key, replaced Dictionary) SORTED MAP : Defend Map () it ) submap. VECTOR (implements schalipple, doneable)

5 N i) int agaily () ii) E element At (index) i) clear () ii) compute (key, avous function) ii) compute If Absent | Compute If Present is) Containe by (by) TREE MAP : - (a sed - Which the loved . iii) ansert Element At ( E alg, incluse) v) contains value (value) vi) entry set () (returns set ) HASHMAP: (Constant time performance (get put)
NV NK Iteration time perportional to capacity (no of burker) vii) equals () viii) yor Each () ir) get (by) get of Default () STACK (UFO, 5 milheds make victor act like Stack).

5 N i) Inochan smyty () ii) & E pub () n) byset () .. xi) murge () . xil) put putAll put IfAlesent performance depends on initial capacity & lead forth mi) romane (my), remove (my, value) stiti) replace (key, new) ii) E pop() iv) E push () LINKED HASH MAP (pudicidable order of iteration) suplace ( My, old value, number) suplace All ( function) v) int search (0) returns . I haved position of object . ix) size () ... x) values () retires a collection view of value. HASH TABLE (SYNC)