BST interview questions > + fren a Sorted allay, convert the given alway into a Balanced Binary Search Tree. i/p: all = \(\int_1, 2, 3, 4, 5, 6, 7, 8, 9\) Note & Balancee EST mean's left height - oright height <= 1 (-1,0,+1) * I Too fodant coding Round questions on Collections Framework where less time is given: ** Competitive Coding 3 > O sven an array of Strings, use a collection to remove duplicates. 2-3 Habset (Set) - Interface TCS/Inforgs) IBM / Accentine yoven an Array List of integers, use the Collection Iterator to thaverse the List & Remove data based on any given condition. 2-3 mins Note: Iterator - It is an interface interface in Java used to iterate over collections. (auto in C++) * What is Abaching, Hoch Collision in an Hash Table in Java? [C++] uno oderd-map unorderd-set Hash Table < x, v> La Array of Lists

* Initial size of HT is 11

* Load Factor is 0-75 or Hashing -> Providing a unique code (Hashcode) to each element = J the JVM. When there is closh of hash code it is called Hash Collision. Hach Table / Integer, Stoing > ht. put (106, Vikes) ht-put (117, Nikhil) 8 ht.put (128, Rajat) 7/106,V ht.put (99, Ujiwal) 5 ht.put (100, Suray) 4

ht.put (100, Suray) 3

102,5

ht.put (182, Sajin) 2 Priosity Onenes: >
Heap Data Stoneture Min Heat Max Heap Rost max dement 0(n) Max heaf > 2,6,3,4,9,1 Complete Bin Tree Root 0(1) Tips for Coding Rounds 1) Accessing elements faster & o(1) Index Among List, Priority Overe (1) Inserting Elements forster: Linked Lists W Removing dufflicates: >
Set, Hash Set, Linked Hosh Set IV) Two way sperations - Deque V Key-value pair -> Hash Map VI) Hashing < 4, V> -> Hash Table

VII) Travers of -> Iterator