

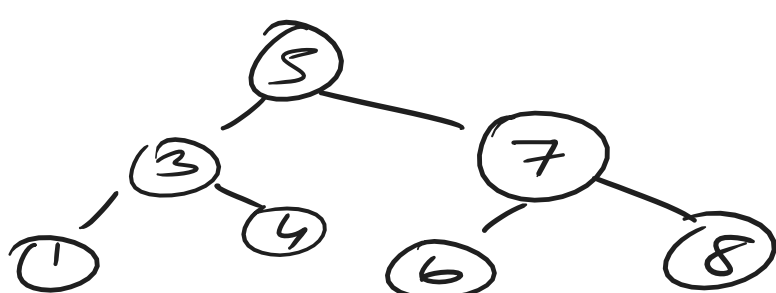
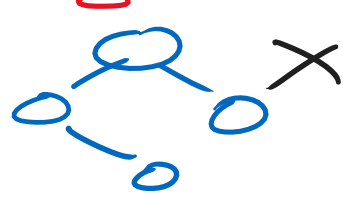
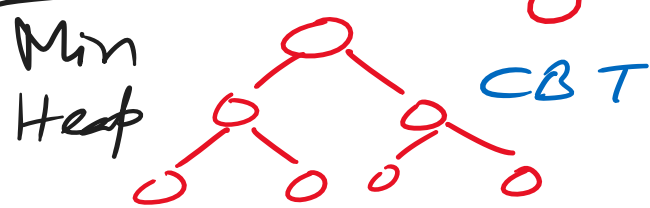
STL : Remaining Concepts :

priority-queue \rightarrow Heap

unordered & ordered sets

* Complete Binary Tree (Heap)

Max Heap
Min Heap
Insertion is done level by level and Left to right.



⑧ \rightarrow TC $\rightarrow \log N$

$O(1) \rightarrow$ Constant \rightarrow Heaps

* Use your own Custom Comparator to create a priority queue.
TCS / Accenture / Infosys / HP / etc

ordered & unordered - set
ASC \rightarrow ALP
HASHING
Unique Elements &
no duplicates.

Array (duplicates)

\rightarrow insert (set) \rightarrow remove duplicates

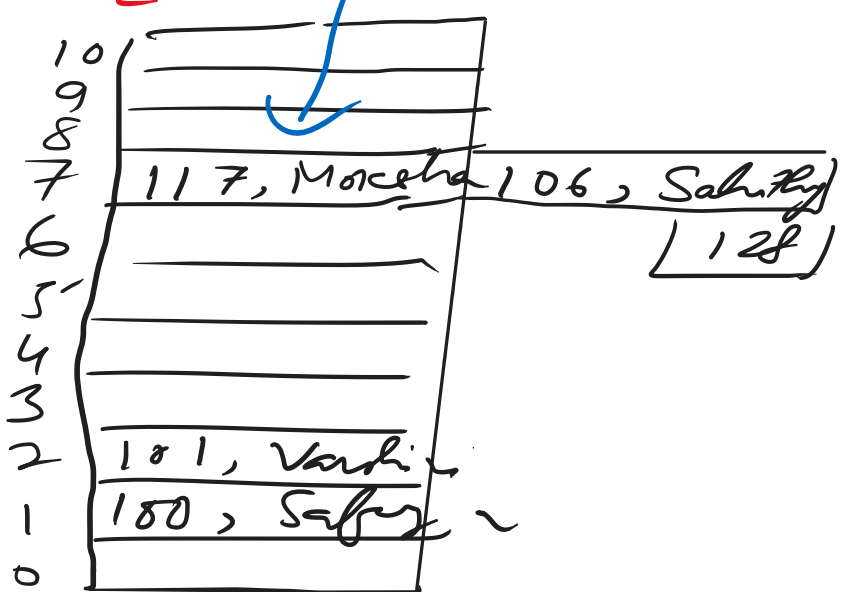
* Hash Table & Hash Collisions
11/17 & Hashing !!! [Java]

<117, Mokeha>
<106, Sahithya>
<128, Firdaus>
<101, Varshini>
<100, Safeya>

Integer, String

Size \rightarrow 11

Top to Bottom &
R to L



HashMap \rightarrow Java

\rightarrow Top to Bottom / Right to Left

\rightarrow HashMap { java.util

\rightarrow Hash Table {

\rightarrow Hash Collision

\rightarrow Initial Size \rightarrow 11

\rightarrow C++ \rightarrow unordered-map

STL \rightarrow unordered-set