

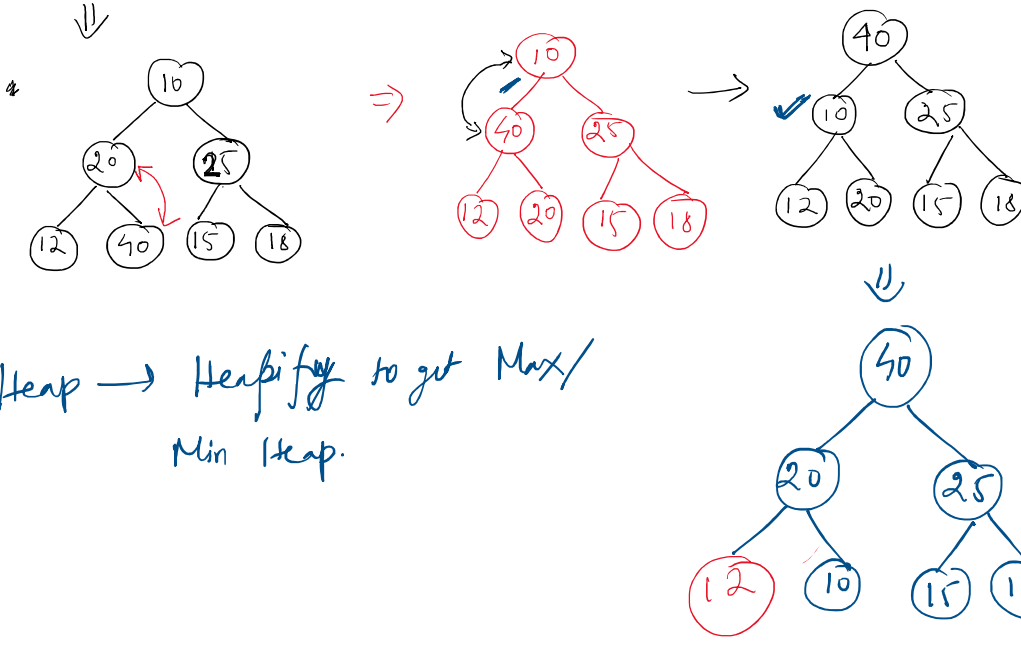
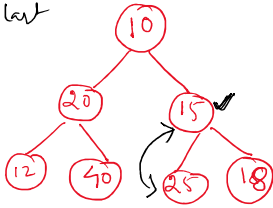
Heap Sort-

10 20 15 12 40 25 18.

Array to MaxHeap-

- Convert to ACBT.
- ~~Choose~~ Select the last non-leaf node.

- ACBT
- Parent Value > Child value

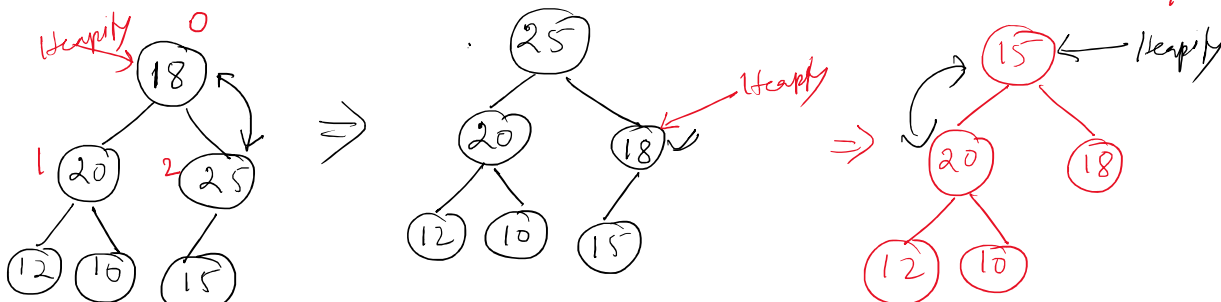
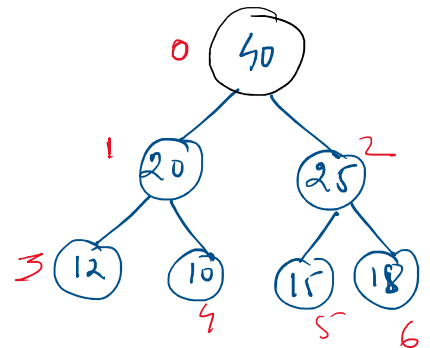


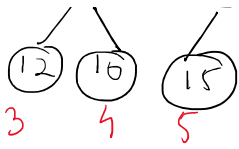
Heap → Heapify to get Max/
Min Heap.

40 25

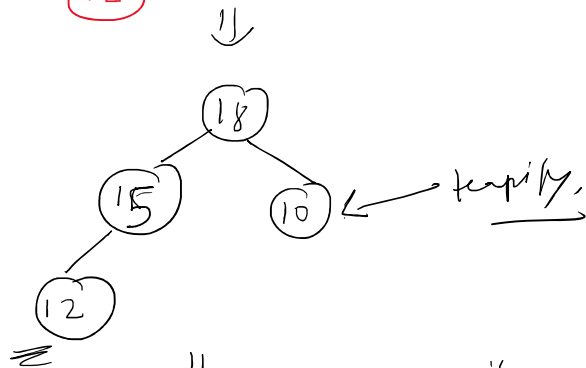
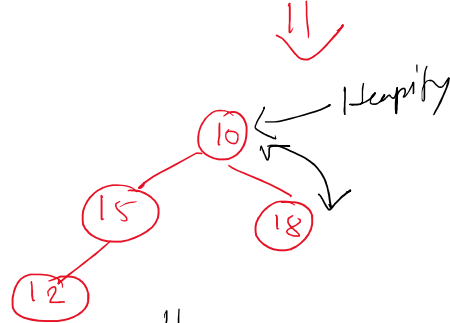
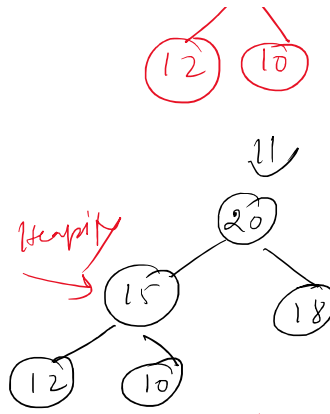
Steps-

- Root value → अलग से लिखो
- Root Value → last leaf node value.
- Delete the last leaf node.





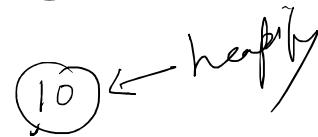
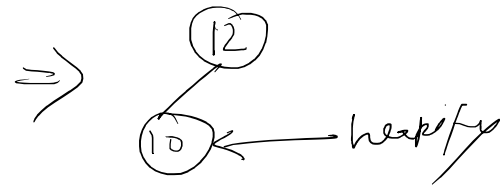
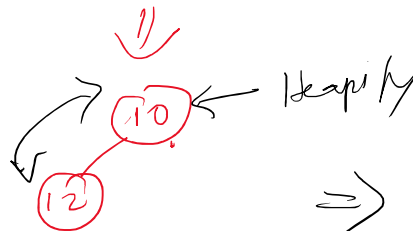
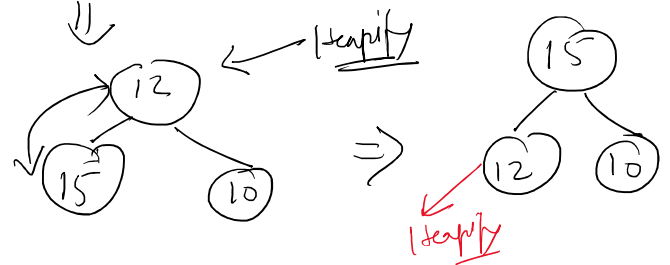
40 25 20



40 25 20 18 15 12 10

TC $\rightarrow O(n \log n)$

SC $\rightarrow O(1)$



Null