

Heapify method; AIT is precise and different it follows leaf node and non Deat node. The array has total in dexs is '6' then we see $J \left(\frac{n}{2} + 1\right) n \rightarrow \left(\frac{6}{2} + 1\right) n \rightarrow \left(3 + 1\right) n \rightarrow$ * 4 to 6. are leaf nodes. that are max nodes. which has no child nodes. * Now 1, 2, 3 are maxheap to perform heapity. in the 3' is max and starts from right. * The TC is o(n). so, we prefer Mis. 13 7 rode
1 8 5 leaf
rode > 3 17 7 3 7 18 5 1 8 5 -> (8 is max, swap with. 3). is swap wim's. > again with parent (u) 8 5 2 8 4 1 Now for min heap. Stepsin -) The first top (or) first node is extracted (removed) then swap with last node. It same, after Check it is max heap with all parent and Child nodes.

-) If it is rearrange and swap. After this again min heap remove stirst & swap/winh Je Same follows for all. SI CHELL

Heapity max neap the series is a track that they work in 3, 3 Step 1's man heap > Step's min heaps 7 5 100m 4.0 103 5 4 7 13 8 man > now 5 romin> 1 1343578 road ping rob wol TU3 5 78 > maxin population 3 may 1 die Joseph 3 13/1/4 5 78 311 8 4578 >1019/63 4 5 18 900 > 1 [3 u 5 78 7 empty. [1 3 4578. -> empty. [1 34578 1/3/4/5/7/8 [1]3/4/5/7/8