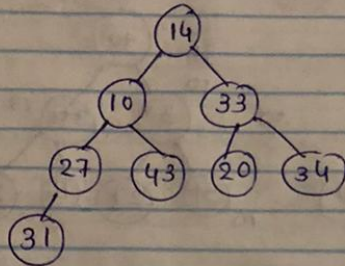
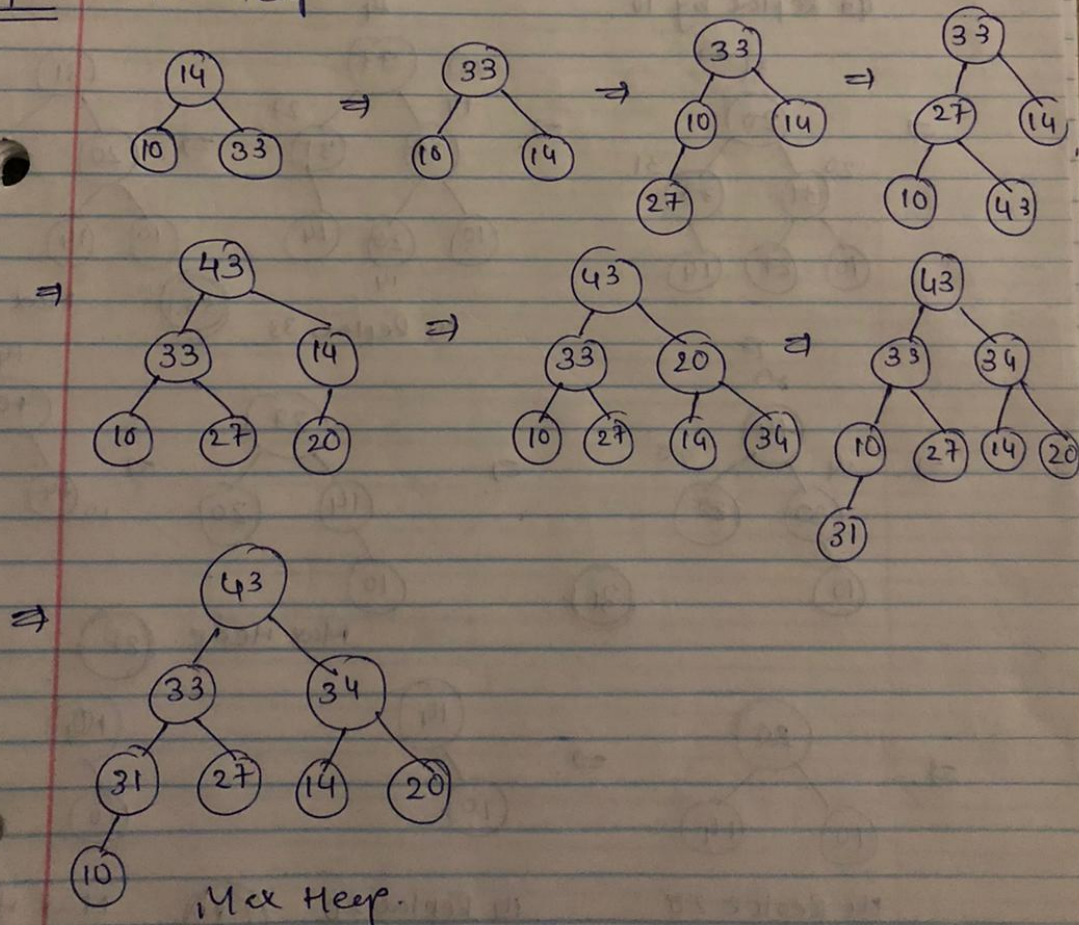


14 10 33 27 43 20 34 31

Step: 1 Heap of the input number



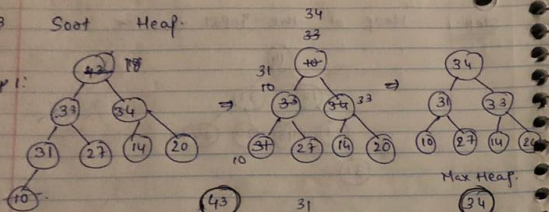
Step: 2 Max Heap.



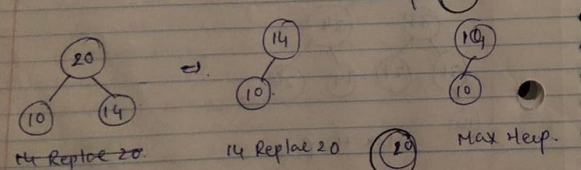
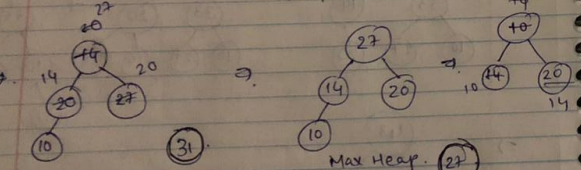
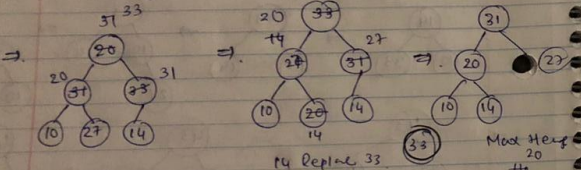
Step: 3

Sort Heap.

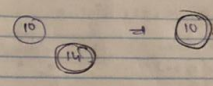
Step 1:



42 Replace by 10.



14 Replace 20. Max Heap.



After All the Swap, we will get sorted Array.

10 → 14 → 20 → 27 → 31 → 33 → 34 → 42