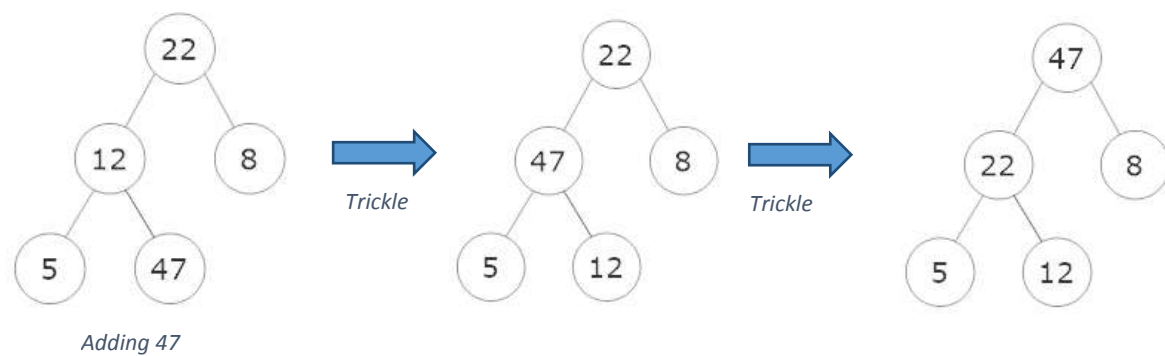
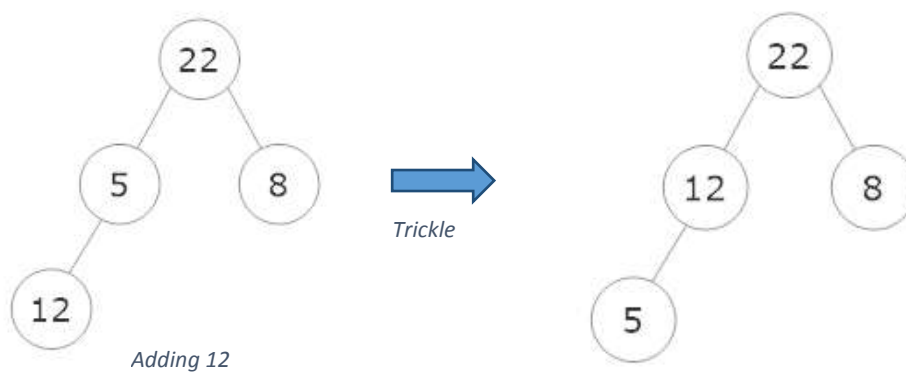
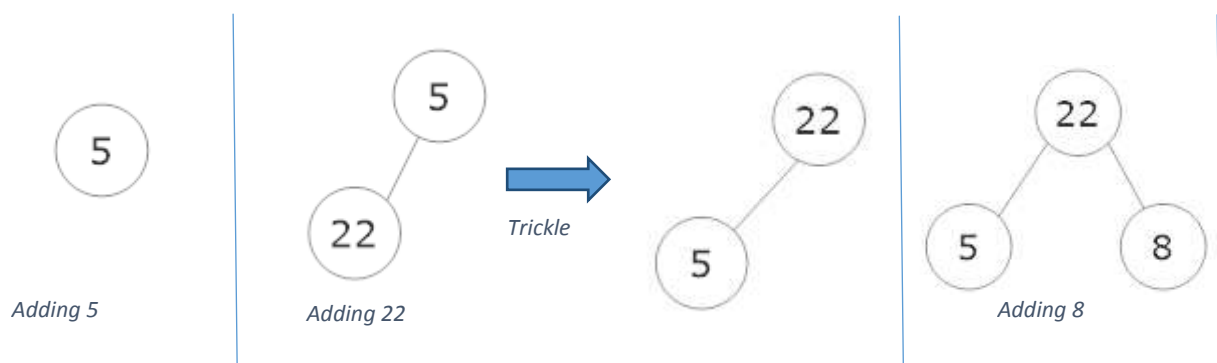
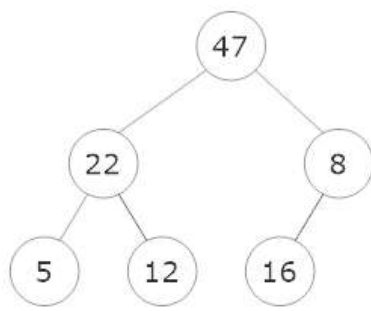


Q-1) Construct a (binary) max-heap by inserting the following numbers one by one

5, 22, 8, 12, 47, 16, 93

A-1)

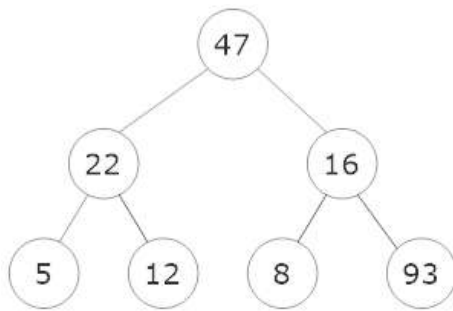
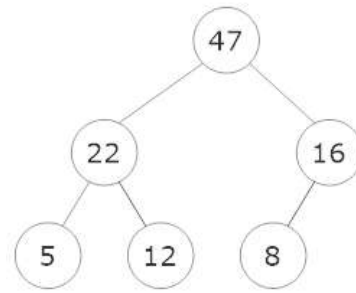




Adding 16



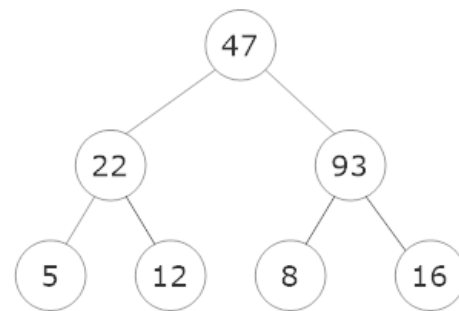
Trickle



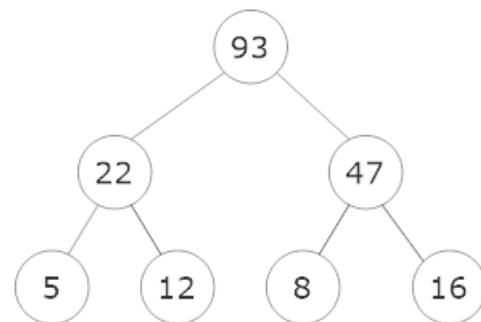
Adding 93



Trickle



Trickle



Final Heap

Q-2) You are given the following binary max-heap, apply heap-sort and show the contents of the array that holds the tree after deleting the root and obtaining the new heap structure.

A-2)

