Homework 7: 1) Use the O(N) algorithm to build the heap for the following data (show the final heap) .

100, 92, 80, 94, 60, 84, 30, 21

2) Show the heap after insert 35 (to the result of 1))

3) Sow the heap after insert 40 (to the result of 2))

4) Show the heap after deleteMin (to the result of 3))

5) Show the heap after another deleteMin (to the result of 4))