1. Stepwise build a maxheap from 30, 50, 70, 90, 10, 20, 40.   Show the heap.

2. Show what the heap from #1 looks like in the array.

3. Remove the top 2 items and show the heap.

4. Add 95 and show the heap.

5. Given the following array, treat it as a complete binary tree. Show the tree.
   8, 4, 6, 3, 7, 10

6. When running buildheap, what element do we start with? Why?

7. Show the heap after running buildheap to create a minheap. Show each step.

8. Run the build in place heapsort, showing the array after each delete.