Heap sort

Heap sort is a sorting algorithm that can be used in an efficient way.

Steps of heap sort algorithm are as follows:

1. Build max heap from the given input data
2. Place the largest item in the root of a heap. Replace the root value with last item of the heap followed by decreasing the size of the heap by 1.
3. Repeat the above two steps until the size of the heap is greater than 1.