1) Build heap - minheap or maxheap (Increasing or Decreating

D(n)

Sorted maxheap

Minheap fashion)

2) Delete all the elements step by step

4 & Shore those deleted elements in

(n logn) any data

Structure

Time complexity = O(n) + O(nlogn)For building the Heap

= O(nlogn)

heapq >> Python

heapg is the Pythonic library that can be utilized for working with Heap Data Structure