

Heap Assignment Questions:

1. Implement a Heap
2. Heapify algorithm
3. Heap Sort: <https://practice.geeksforgeeks.org/problems/heap-sort/1>
4. Kth Smallest/Largest element in Array: <https://practice.geeksforgeeks.org/problems/k-largest-elements4206/1>
5. Merge 2 Max Heaps: <https://practice.geeksforgeeks.org/problems/merge-two-binary-max-heap0144/1>
6. Check if tree is a heap: <https://practice.geeksforgeeks.org/problems/is-binary-tree-heap/1>
7. Minimum Cost of Ropes: <https://practice.geeksforgeeks.org/problems/minimum-cost-of-ropes-1587115620/1>
8. Convert BST into Min-heap: https://www.codingninjas.com/codestudio/problems/convert-bst-to-min-heap_920498
9. Kth Largest Sum Sub-array: <https://practice.geeksforgeeks.org/problems/k-th-largest-sum-contiguous-subarray/1>
10. Merge K sorted Arrays: <https://practice.geeksforgeeks.org/problems/merge-k-sorted-arrays/1>
11. Merge K sorted Linked List: <https://leetcode.com/problems/merge-k-sorted-lists/>
12. Smallest Range in K List: <https://leetcode.com/problems/smallest-range-covering-elements-from-k-lists/>
13. Median in a Stream Problem using Heap: <https://leetcode.com/problems/find-median-from-data-stream/>
14. K Closest Point to Origin: <https://leetcode.com/problems/k-closest-points-to-origin/>
15. Average height of building in each segment: <https://leetcode.com/problems/average-height-of-buildings-in-each-segment/>
16. Remove stones to minimise the total: <https://leetcode.com/problems/remove-stones-to-minimize-the-total/>
17. Longest happy string: <https://leetcode.com/problems/longest-happy-string/>
18. Reorganise String: <https://leetcode.com/problems/reorganize-string/>
19. Get Biggest three rhombus sums in a grid: <https://leetcode.com/problems/get-biggest-three-rhombus-sums-in-a-grid/>
20. Cheapest Flight within K stops: <https://leetcode.com/problems/cheapest-flights-within-k-stops/>
21. Sliding Window Maximum: <https://leetcode.com/problems/sliding-window-maximum/>
22. Min Diff in Sum after element removal: <https://leetcode.com/problems/minimum-difference-in-sums-after-removal-of-elements/>

23.Min number of refuelling stops: <https://leetcode.com/problems/minimum-number-of-refueling-stops/>

24.convert BST to Max Heap: <https://practice.geeksforgeeks.org/problems/bst-to-max-heap/1>