**Basics of Heap**

1. **Kth Largest Element in an Array**  
   215. Kth Largest Element in an Array  
   *Learn how to use a heap to find the k-th largest element efficiently.*
2. **K Closest Points to Origin**  
   973. K Closest Points to Origin  
   *Understand how to use a heap for distance-based prioritization.*
3. **Top K Frequent Elements**  
   347. Top K Frequent Elements  
   *Practice using heaps for frequency counting.*
4. **Last Stone Weight**  
   1046. Last Stone Weight  
   *Learn how to manage heaps with custom rules.*

**Heap Operations**

1. **Find Median from Data Stream**  
   295. Find Median from Data Stream  
   *Understand the use of two heaps (min-heap and max-heap) to calculate running medians.*
2. **Merge k Sorted Lists**  
   23. Merge k Sorted Lists  
   *Learn how to merge sorted lists efficiently using a priority queue.*
3. **Sort Characters By Frequency**  
   451. Sort Characters By Frequency  
   *Practice sorting elements based on frequency using heaps.*
4. **Reorganize String**  
   767. Reorganize String  
   *Learn to arrange elements with constraints using a max heap.*

**Advanced Heap Applications**

1. **Minimum Cost to Connect Sticks**  
   1167. Minimum Cost to Connect Sticks  
   *Solve problems involving greedy strategies with heaps.*
2. **Network Delay Time**  
   743. Network Delay Time  
   *Understand Dijkstra's algorithm with a priority queue.*
3. **The Skyline Problem**  
   218. The Skyline Problem  
   *Learn advanced heap usage for handling complex data points.*
4. **Minimum Number of Refueling Stops**  
   871. Minimum Number of Refueling Stops  
   *Understand how to use a max heap for optimizing resource allocation.*

**Sliding Window Problems**

1. **Sliding Window Maximum**  
   239. Sliding Window Maximum  
   *Learn to use heaps or deques to maintain a sliding window maximum.*
2. **Find K-th Smallest Pair Distance**  
   719. Find K-th Smallest Pair Distance  
   *Practice heap-based optimization for pairwise comparisons.*

**Heap Variants**

1. **Smallest Range Covering Elements from K Lists**  
   632. Smallest Range Covering Elements from K Lists  
   *Learn to find ranges across multiple sorted lists using a min-heap.*
2. **Task Scheduler**  
   621. Task Scheduler  
   *Practice managing intervals and priorities with a heap.*
3. **Trapping Rain Water II**  
   407. Trapping Rain Water II  
   *Understand advanced heap usage for 2D problems.*
4. **Closest Binary Search Tree Value II**  
   272. Closest Binary Search Tree Value II  
   *Practice combining BST properties with heap usage.*

**Practice and Strategy**

* Start with basic heap operations (problems 1–4).
* Progress to applications in streaming and merging (problems 5–8).
* Tackle advanced problems involving intervals, sliding windows, and custom heap usage (problems 9–18).