* **Week 1**
  + Mathematics
  + Basic Recursion
  + Arrays: Searching, Sorting, Deleting, Shift, Rotation, Prefix Sum...
* **Week 2:**
  + Bit Magic
  + Matrix: Search, Delete, Insert, Rotate...
  + Searching: Linear Search, Binary Search, Two pointer approach…
* **Week 3:**
  + Sorting: QuickSort and its variation, Mergesort, Counting sort, Insertion Sort, Heap Sort, Comparator
  + Hashing: Different Types of Hashing Techniques, Collision resolution Techniques, Hashing Questions
* **Week 4:**
  + Strings: Basic Operations, Naive Pattern Search, Other searching algorithms.
  + Linked Lists: Singly Linked List, Doubly Linked Lists, Circular Linked List, Skip List, Doubly Circular
* **Week 5:**
  + Stacks: Stack Operations, Implementation, Different Questions
  + Queues: Queue Operations, Implementation, Different Questions, Deque Operations, Implementation, Different Questions.
* **Week 6:**
  + Tree: Binary Tree, Tree Traversal
  + Binary Search Tree: Search, Insert, Delete and other important questions, AVL (Basic Introduction)
* **Week 7:**
  + Heaps: Binary Heap, Questions based on heaps.
  + Graphs: Types of Graphs, BFS, DFS, Cycle Detection, Connected Components, Bipartite Graph
* **Week 8:**
  + Recursion and Backtracking: Backtracking questions, n queen, rat, knight etc.
  + Dynamic Programming: Properties (Top Down, Bottom Up, Optimal Substructures, Overlapping Subproblems).
* **Week 9:**
  + Graph Algorithms
    - Shortest Path Algorithms
    - Connected Components
    - Bridges
* **Week 10:**
  + Trie
  + Segment Tree
  + Disjoint Set