**Linear data structures:**

1. Arrays
2. Linked List
3. Doubly linked list
4. Stack
5. Queue
6. Priority Queue

**Searching:**

1. Linear Search
2. Binary Search
3. Ternary Search
4. Jump Search
5. Interpolation Search
6. Hash Table

**Sorting**:

1. Bubble Sort
2. Selection Sort
3. Insertion Sort
4. Shell Sort
5. Merge Sort
6. Quick Sort
7. Bucket Sort
8. Counting Sort
9. Radix Sort
10. Heap Sort

**Tree**:

1. Tree Data Structure
2. Tree Traversal
3. Heap
4. Binary Search Tree
5. Binary Indexed Tree / Fenwick Tree
6. AVL Tree
7. B-Tree
8. Trie
9. Spanning Tree
10. Segment Tree

**Graph**:

1. Basic Graph
2. Adjacency list
3. Adjacency matrix
4. Depth First Traversal
5. Breadth First Traversal
6. Topological sort
7. Strongly connected components
8. Minimum Spanning Trees

**Shortest Path Algorithms**:

1. The Bellman-Ford algorithm
2. Dijkstra's algorithm
3. The Floyd-Warshall algorithm

**Others**:

1. Disjoint Sets / Union-Find

**Recursion**

**Divide and Conquer**

**Dynamic Programming**