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| **Date-start:26Fab** | **Data Structures** | **Algorithms:** |  |
|  | 1. Analysis of Algorithms(complexity) | 1. Array |  |
|  | 2. Recursion | 2. Searching Algorithms |  |
|  | 3. Movement of reference | 3. Sorting Algorithms |  |
|  | 4. Design and analysis of Nodes | 4. Greedy Algorithms |  |
|  | 5. Linked List (all list) | 5. Dynamic Programming |  |
|  | 6. Stack | 6. Backtracking Algorithms |  |
|  | 7. Queue | 7. Divide and Conquer Algorithms |  |
|  | 8. Binary Tree | 8. Branch and Bound Algorithms |  |
|  | 9. Binary Search Tree | 9. Pattern Searching Algorithms |  |
|  | 10. Mixed List and Tree | 10. String Algorithms |  |
|  | 11. Heap | 11. Geometric Algorithms |  |
|  | 12. Hashing | 12. Mathematical Algorithms |  |
|  | 13. Mixed Hashing &Tree | 13. Bit Algorithms |  |
|  | 14 Mixed List, Tree & Hashing | 14. Matrix |  |
|  | 15. Graph | 15. Randomized Algorithms |  |