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| **Ex. No.** | **Program** |
| **1** | Implementation and Analysis of Insertion Sort |
| **2** | Implementation and Analysis of Bubble Sort |
| **3** | Implementation and Analysis of Heap Sort. |
| **4** | Implementation and Analysis of Counting Sort |
| **5** | Implementation and Analysis of Selection Sort |
| **6** | Implementation and Analysis Quick Sort. |
| **7** | Implementation and Analysis Merge Sort. |
| **8** | Implementation and Analysis of Depth first Search. |
| **9** | Implementation and Analysis of Breath First Search. |
| **10** | Implementation and Analysis of Prim’s Algorithm. |
| **11** | Implementation and Analysis of Kruskal’s Algorithm. |
| **12** | Implementation and Analysis of single source shortest path problem using Dijkstra’s Algorithm. |
| **13** | Implementation and Analysis of Knapsack problem. |
| **14** | Implementation and Analysis of Matrix Multiplication. |
| **15** | Implementation and Analysis of Longest Common Subsequence. |
| **16** | Implementation and Analysis of 4-queen problem. |
| **17** | Implementation and Analysis of Binary Search |
| **18** | Implementation and Analysis of 0/1 Knapsack problem. |