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| **S.no** | **Name Of Experiment** | **Date** | **Signature** |
| **1.** | *To implement Bubble Sort, Selection Sort and Insertion Sort and find the time complexity.* |  |  |
| **2.** | *a] To implement Merge Sorting and find the time complexity*  *b] To implement Quick Sort and find the time complexity* |  |  |
| **3.** | *a] Write a program to implement and find time complexity of Linear Search.*  *b] Write a program to implement* *and find time complexity of Binary Search.* |  |  |
| **4.** | *Write a program to implement Matrix Chain Multiplication and analyze its time complexity* |  |  |
| **5.** | *Write a program to implement Longest Common Subsequence problem and analyze its complexity* |  |  |
| **6.** | *Write a program to implement Optimal Binary Search Tree problem and analyze its complexity* |  |  |
| **7.** | *Write a program to implement Huffman Coding and analyze its complexity* |  |  |
| **8.** | *Write a program to implement Dijkstra algorithm and analyze its complexity* |  |  |
| **9.** | *Write a program to implement Bellman Ford Algorithm and analyze its complexity* |  |  |
| **10.** | *Write a program to implement Naïve String Algorithm and analyze its complexity* |  |  |