1. Write a program for linear search.

2. Write a program for binary search.

3. Write a program for merge sort.

4. Write a program for insertion sort.

5. Write a program for count sort.

6. Write a program for the shortest path.

7. Write a program for a minimal spanning tree using Kruskal’s method.

8. Write a program for the Naïve string-matching method.

9. Write a program for the Longest common subsequence.

10. Write a program for Tic-Tac-Toe.