

Heap Sort

Enter number of elements:

5

Enter elements:

30

50

20

10

40

After sorting:

10

20

30

40

50



Binary Search

Enter the size of the array:

5

Enter array elements:

10

20

30

40

50

Enter the element you want to search:

45

Number not found!



Merge Sort

Enter number of elements:

5

Enter array elements:

20

30

50

10

40

Sorted array is :

10

20

30

40

50

Quick Sort

How many elements:

4

Enter array elements:

2

6

4

0

Array after sorting:

0

2

4

6

LCS

Enter 1st sequence : aggtab

Enter 2nd sequence : gxtxayb

The Longest Common Subsequence is gtatb

MCM

Enter number of matrices

4

Enter dimensions

Enter $d_0 :: 10$

Enter $d_1 :: 100$

Enter $d_2 :: 20$

Enter $d_3 :: 5$

Enter $d_4 :: 80$

Minimum number of multiplications is 19000

N-Queen's

Enter the number of Queens
4

Solution #1

*	Q	*	*
*	*	*	Q
Q	*	*	*
*	*	Q	*

Solution #2

*	*	Q	*
Q	*	*	*
*	*	*	Q
*	Q	*	*

Total Solutions 2

Naive String Matching

Enter text String : shjabcbsjd

Enter pattern to search : jd

Pattern found at 8

Rabin Karp

Enter text string: Hellohowareyou
Enter pattern to search: you

Pattern found at index 11