1.	Write a program for finding the maximum & minimum using divide and Conquer design approach.
2.	Using divide and conquer algorithm design approach, write a program to implement Merge sort
3.	Using divide and conquer algorithm design approach, write a program to implement Quicksort
4.	Using divide and conquer algorithm design approach, write a program to implement Multiplication of Long Integers
5.	Using divide and conquer algorithm design approach, write a program to implement Strassen's matrix multiplication
6.	Using Greedy approach for algorithm design, write a program to implement Optimal storage of tapes
7.	Using Greedy approach for algorithm design, write a program to implement Fractional Knapsack problem
8.	Using Greedy approach for algorithm design, write a program to implement Job Scheduling problem
9.	Using Greedy approach for algorithm design, write a program to implement Subset cover problem
10.	Using Greedy approach for algorithm design, write a program to implement Container loading problem
11.	Using Greedy approach for algorithm design, write a program to implement Coin changing problem
12.	Using Greedy approach for algorithm design, write a program to implement MST using Kruskal's algorithm

13.	Using Greedy approach for algorithm design, write a program to implement Dijkstra's Algorithm
14.	Using Dynamic Programming for algorithm design, write a program to Compute binomial coefficients
15.	Using Dynamic Programming for algorithm design, write a program to implement Coin Changing problem to determine the minimum number of coins to make a given amount
16.	Using Dynamic Programming for algorithm design, write a program to implement Matrix Chain Multiplication and evaluate optimal ordering of multiplication.
17.	Using Dynamic Programming for algorithm design, write a program to implement 0/1-Knapsack
18.	Using Dynamic Programming for algorithm design, write a program to implement Johnson's Algorithm of flow shop scheduling for 2 machines scenarios
19.	Using Dynamic Programming for algorithm design, write a program to implement Johnson's Algorithm of flow shop scheduling for 3 machines scenarios
20.	Using Dynamic Programming for algorithm design, write a program to evaluate Longest Common
21.	Subsequence Using Dynamic Programming for algorithm design, write a program to implement shortest path in Multistage graphs
22.	Using backtracking approach for algorithm design, write a program to implement N-queen problem
23.	Using backtracking approach for algorithm design, write a program to implement Sum of subsets
24.	Using backtracking approach for algorithm design, write a program to implement Knapsack problem

25.	Using backtracking approach for algorithm design, write a program to implement Generating
	permutation
26.	Using backtracking approach for algorithm design, write a program to implement Graph coloring so
	that no pair of adjacent vertices have the same color.
27.	Using the backtracking approach for algorithm design, write a program to evaluate Hamiltonian cycle
	in graph
28.	Using branch and bound approach for algorithm design, write a program to implement 15-puzzle
	problem
29.	Using branch and bound approach for algorithm design, write a program to implement LC Branch-and-
	bound job sequencing problem
30.	Using branch and bound approach for algorithm design, write a program to implement LC branch and
	bound algorithm for 0/1-Knapsack problem