The following computer problems can be solved using dynamic programming approach −

* Fibonacci number series
* Knapsack problem
* Tower of Hanoi
* All pair shortest path by Floyd-Warshall
* Shortest path by Dijkstra
* Project scheduling

Following are some standard algorithms that are Divide and Conquer algorithms.

**1)**[**Binary Search**](http://en.wikipedia.org/wiki/Binary_search_algorithm)

**2)**[**Quicksort**](http://en.wikipedia.org/wiki/Quick_Sort)

**3)**[**Merge Sort**](http://en.wikipedia.org/wiki/Merge_Sort)

**5)**[**Strassen’s Algorithm**](http://en.wikipedia.org/wiki/Strassen_algorithm)

**6)**[**Cooley–**](http://en.wikipedia.org/wiki/Cooley%E2%80%93Tukey_FFT_algorithm)

**Greedy Approach**

* Prim's Minimal Spanning Tree Algorithm
* Travelling Salesman Problem
* Graph - Map Coloring
* Kruskal's Minimal Spanning Tree Algorithm
* Dijkstra's Minimal Spanning Tree Algorithm
* Graph - Vertex Cover
* Knapsack Problem
* Job Scheduling Problem