Here is the list of problems you all have to solve using computer.

1) Sorting

- Insertion Sort

- Merge Sort

- Quick Sort

- Counting Sort

- Radix Sort

- Heap Sort

2) Searching

- Binary Search

3) Dynamic Programming

- Longest Common Subsequence (LCS)

- Coin Change

- Dividing coins

4) Graph

- Breadth First Search (BFS)

- Depth First Search (DFS)

- Topological Sort

- Prim's Minimum Spanning Tree

- Dijsktra's Shortest Path Algorithm

- Floyd-Warshall All pair shortest path algorithm

Take necessary steps in order to inform all of registered students of this course. Have some nice day with Programming and Algorithms. :)