**Lab Assignment - 4**

Q 7. Write program using functions for binary tree traversals Pre-order, In-order and Post-order using both Recursive and Non-recursive approach.

Q 8. Implement following functions for Binary Search Trees

1. Search a given item (Recursive & Non-Recursive)
2. Insertion of a new node
3. Maximum element of the BST
4. Minimum element of the BST
5. Successor of the BST
6. Delete a given node from the BST

Q 9. Implement Heap Sort.

Q 10. Implement Strassen Matrix Multiplication problem using Divide & Conquer approach.

Q 11. Implement following problems using Greedy Approach:

1. 0/1 and partial knapsack
2. Huffman compression