1. Write a program to calculate the Factorial of a number using recursive and non-recursive method
2. Write a program to find the nth term F, of the Fibonacci sequence using recursive and non-recursive method.
3. Write a program to implement Ackermann Function.
4. Write a program to create a Linked List of n elements and then display the list.
5. Write a program to create a Linked List of n elements and then search an element from the list.
6. Write a program to create a Linked List of n elements and then insert an element to the list.
7. Write a program to sort n numbers using Insertion Sort algorithm.
8. Write a program to sort n numbers using Selection Sort algorithm.
9. Write a program to sort n numbers using Merge sort algorithm.
10. Write a program to create a Binary Search Tree of n elements and then display the elements (preorder, in order and post order) of the tree.
11. Write a program to create a Binary Search Tree of n elements and then search an element from the tree.
12. Write a program to create a Binary Search Tree of n elements and then delete an element from the tree.
13. Write a program to create a Maxheap of n elements and then display the elements of the heap.
14. Write a program to display t he adjacency matrix of a graph.
15. Write a program to display the adjacency list of a graph.