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OEXPL TEST PROGRAMS

Test Program 1 : Binary Search Tree

This test program inserts elements into a binary search tree and prints the elements in inorder, preorder and postorder traversal. The program stops taking input elements (that are to be inserted in Binary Search Tree) when the user enters 0.

Input : The elements that are to be inserted into a Binary Search Tree and a 0 at last (indicating the end of input).

Output : The inorder, preorder and postorder traversal of the tree.

This program test the iteration, recursion, conditional, arrays and passing of user-defined datatype as return value of function.

The code for the test program can be found [here](#)

Test Program 2

This test program reads elements into a linked list and prints them.

Input : Value of length of list and list of values from standard input.

Output : The list of values stored in linked list.

This program test the working of dynamic memory allocation functions like Initialize(), Alloc() and Free().

The code for the test program can be found [here](#)

Test Program 3

This test program reads an element and finds the sum of factorials of all the numbers till that element.

Input : Value of n.

Output : Sum of factorials of all the numbers till n.

This program test the recursion, parameter passing, calling a function inside the call of another function.

The code for the test program can be found here

[Github](#)

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