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/* TestBST.cpp
 * Test Binary Search Tree (BST)
 */

#include "BSTv3.cpp"

int main()
{
    BinarySearchTree T1; //BST object

    T1.readFile(); //reads in file

    //Displays all show names in the tree
    cout << "List of Movies: " << endl;
    T1.PrintInOrder();

    //Displays all actors of a given show in the tree:
    // The Saint, Benson, Dexter's Laboratory, Evening Shade, and The
Simpsons
    cout << "\nShow Search: ";
    T1.SearchNode( "The Saint " ); //space after word to account
                                   // for read-in error
    T1.SearchNode( "Benson " );
    T1.SearchNode( "Dexter's Laboratory " );
    T1.SearchNode( "Evening Shade " );
    T1.SearchNode( "The Simpsons " );

    //Displays all shows of a given actor: Tim Conway, Clint Eastwood,
    // Mirlu Henner, Tress MacNeille, Emily Wagner, and Gavin MacLeod
    cout << "Actor Search: " << endl;
    T1.ActorSearchNode( "Tim Conway" );
    T1.ActorSearchNode( "Clint Eastwood" );
    T1.ActorSearchNode( "Mirlu Henner" );
    T1.ActorSearchNode( "Tress MacNeille" );
    T1.ActorSearchNode( "Emily Wagner" );
    T1.ActorSearchNode( "Gavin MacLeod" );

    //Displays all shows released between 1983 and 1993 and
    // 1960 and 1970
    cout << "\nDecade Search: " << endl;
    T1.DecadeSearchNode( 1983, 1993 );
    T1.DecadeSearchNode( 1960, 1970 );

}

```