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The purpose of this assignment is to extend the LinkedList class. We do so by adding additional operations to our class to increase functionality and what it’s able to do. Namely, determining if the list is sorted, and sorting the list if not.

Class

LinkedList

Domain

Each linked list has a counter and two pointers; one pointing to first node in list and one

pointing to second node in list. Also, can make a copy of another list.

Operations

Overloads assignment operator

Initializes an empty list

Checks if list is empty

Print list

Return number of nodes in list

Deletes nodes in list

Searches for item in list

Adds new item to end of list

Deletes specific node in list

Checks if list is sorted

Sorts list

Make default constructor

Copies constructor

Deletes list object.

