

Asst0 Readme File

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Overview

Pointersorter is a program used to sort words in a single string input in alphabetical order. The program has two important parts to it:

1. Obtaining individual words from the input and storing them
2. Sorting the words in alphabetical order

A linked list is used to hold the individual string inputs.

Obtaining the Words

The words are obtained by moving through the input until the program hits a delimiter.

Delimiters are any characters that are not alphabetic. Once a delimiter has been hit the program stores the word in a node and adds the node to the list.

Sorting the Words

Once the linked list is created, it needs to be sorted alphabetically. The sort algorithm used in this program is a simple bubble sort. The sort simply moves through the linked list, swapping larger elements to the right while the smaller elements are moved to the left. In this program, the letter 'A' is the smallest element while letter 'z' is the largest element. For example, if there were three elements called please, Eat, and apples the order would be:

Eat
apples
please

Once the list is sorted, the program calls another function to print out the list in its new proper order.