

ClearList.cpp

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1 /*****
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3 * STUDENT ID  : 1103126 - 1112261
4 * LAB #10    : Creating an Ordered List
5 * CLASS      : CS 1B
6 * SECTION    : MW - 7:30 pm
7 * DUE DATE   : 11/05/2019
8 *****/
9 * ClearList
10 *****/
11 * This function Allows the user to delete all the nodes in the linked list.
12 *****/
13
14 #include "MyHeader.h"
15
16 void ClearList(PersonNode *&head)
17 {
18     bool clear; //Calc - condition to check for empty list
19
20     clear = false;
21
22     //CHECKS FOR EMPTY LIST
23
24     if (head == NULL)
25     {
26         cout << endl;
27         cout << "The list has been cleared!";
28         cout << endl;
29     }
30
31     //IF THE LIST IS NOT EMPTY
32
33     else
34     {
35         cout << endl;
36         cout << "CLEARING LIST:" << endl;
37
38         while(!clear)
39         {
40             if(head != NULL)
41             {
42                 cout << "Removing " << head -> name << endl;
43
44                 head = head -> next;
45
46                 delete head;
47
48             }
49             else
50             {
51                 clear = true;
52             }
53         }
54     }
55 }
```

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56  
57 }  
58
```