

# DisplayList.cpp

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1 /*****
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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 * DisplayList
10 *****/
11 * This function will Displays the linked-list in the format described in the
12 * expected input/output section on the console;.
13 *****/
14
15 #include "MyHeader.h"
16
17 void DisplayList(PersonNode *head)
18 {
19     //VARIABLES
20
21     int i; //Calc & Out - used for quantity
22
23     //INITIALIZING
24
25     i = 1;
26
27     if (head == NULL)
28     {
29         cout << endl;
30         cout << "Can't Display an empty list!";
31         cout << endl;
32     }
33
34
35     else
36     {
37         //SETTING UP THE TABLE
38
39         cout << endl;
40
41         cout << right;
42
43         cout << setw(4) << '#';
44         cout << setw(8) << "NAME";
45         cout << setw(29) << "GENDER";
46         cout << setw(7) << "AGE ";
47
48         cout << left;
49
50         cout << endl;
51
52         cout << "----- ";
53         cout << "----- ";
54         cout << "----- ";
55         cout << "-----";

```

## DisplayList.cpp

```
56
57     cout << endl;
58
59     //OUTPUTTING DATA IN ALPHABETICAL ORDER
60
61     while(head != NULL)
62     {
63         cout << right;
64         cout << setw(4) << i << "    ";
65         cout << left;
66         cout << setw(29) << head -> name;
67         cout << setw(7) << head -> gender;
68         cout << setw(4) << head -> age;
69         cout << endl;
70         cout << left;
71
72         i++;
73         head = head -> next;
74     }
75
76 }
77
78
79 }
80
81
```