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1  /*
2  Class: CPSC 122-01
3  Team Member 1: Zac Foteff
4  Team Member 2: None
5  Submitted by: Zac Foteff
6  GU Username: zfoteff
7  File Name: proj6.cpp
8  Program defines a Class List which is an example of a singly linked list
9  File tests functions of List class defined in proj6.cpp
10 To Build: g++ proj6.cpp proj6Tst.cpp
11 To Execute: ./a.out
12 */
13
14 #include "proj6.h"
15 #include <iostream>
16 using namespace std;
17
18 const int MAX_SIZE = 4;
19
20 int main(){
21     List* myList1 = new List;
22     List* myList2 = new List;
23
24     //Test 1: populates the list with the letters 0,1,2,3,4 and outputs them in the other
25     //of: 4.3.2.1.0
26     cout<<"Test 1 -----"<<endl;
27     int x = 0;
28     while(x <= MAX_SIZE){
29         myList1->PutItemH(x);
30         x++;
31     }
32     myList1->Print();
33
34     //Test 2: Causes contents of list to be listed in reverse order by using another list
35     cout<<"\nTest 2 -----"<<endl;
36     while(!myList1->IsEmpty()){
37         myList2->PutItemH(myList1->GetItemH());
38         myList1->DeleteItemH();
39         x--;
40     }
41     myList2->Print();
42
43     //Test 3: Deletes 2 items from reverse list and displays list
44     cout<<"\nTest 3 -----"<<endl;
45     myList2->DeleteItemH();
46     myList2->DeleteItemH();
47     myList2->Print();
48
49     return 0;
50 }

```