```cpp
// linked_list.cpp
//
#ifdef _WIN32
    #include <tchar.h>
    #include <conio.h>
#elif (defined __linux__) || (defined _AIX) || (defined __APPLE__)
    typedef char _TCHAR;
    #define _tmain main
#endif

#include <stdio.h>
#include <iostream>
using namespace std;

#include "LinkedList2.h"

void my_getch();
//-----------------------------------------------------------------------
int _tmain(int argc, _TCHAR* argv[])
{
    int choice, data;
    TList* integerList = new TList();

    cout << "\nEnter one of the following:" << endl
        << "   1 to insert at beginning of list" << endl
        << "   2 to insert at end of list" << endl
        << "   3 to delete from beginning of list " << endl
        << "   4 to delete from end of list " << endl
        << "   5 to sort in the order from the smallest to the biggest" << endl
        << "   6 to insert in the order from the smallest to the biggest" << endl
        << "   7 to end list processing" << endl << endl;

    do {
        do {
            cout << "? ";
            cin >> choice;
        } while (choice < 1 || choice > 7);

        switch (choice) {
        case 1:
            cout << "Enter an integer : ";
            cin >> data;
            integerList->insertAtFront(data);
            integerList->print();
            break;
        case 2:
            cout << "Enter an integer : ";
            cin >> data;
            integerList->insertAtBack(data);
            integerList->print();
            break;
        case 3:
            if (!integerList->isEmpty()) {
                if (integerList->removeFromFront(data))
                    cout << data << " removed from list" << endl;
                integerList->print();
                break;
            }
        case 4:
            if (!integerList->isEmpty()) {
                if (integerList->removeFromBack(data))
                    cout << data << " removed from list" << endl;
                integerList->print();
            }
            break;
        case 5:
            integerList->sortElements();
            integerList->print();
            break;
        case 6:
            cout << "Enter an integer : ";
            cin >> data;
            integerList->insertBeforeElement(data);
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```cpp
                    integerList->print();
                break;
            default: break;
            }
    } while (choice != 7);

    delete integerList;

    my_getch();
    return 0;
}
//-------------------------------------------------------------------------
void my_getch()
{
#ifdef _WIN32
    _getch();
#else
    cout << endl;
#endif
}
//-------------------------------------------------------------------------
```