```cpp
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 * PrintMenu
10 ************************************************************************
11 *  This function will output the menu, gets the user's option and checks to see
12 *    if the input is eligible or not.
13 ***********************************************************************/

14
15 #include "MyHeader.h"
16
17 int PrintMenu()
18 {
19
20     int  option;         //In & Calc - users choice for the menu
21
22     bool checkInp;       //Calc      - LCV for checking the user's input
23
24     checkInp = true;
25
26     do
27     {
28         //INPUT
29
30         cout << endl;
31
32         cout << "LIST MENU:"              << endl;
33         cout << "1 - Create List"         << endl;
34         cout << "2 - Display List"        << endl;
35         cout << "3 - Is the list empty?"  << endl;
36         cout << "4 - Search by name"      << endl;
37         cout << "5 - Remove Node"         << endl;
38         cout << "6 - Clear List"          << endl;
39         cout << "0 - to Exit"             << endl;
40
41         cout << "Enter a command (0 to exit): ";
42
43         //CHECKS FOR THE CHAR INPUT
44
45         if (!(cin >> option))
46         {
47
48             cin.clear();
49             cin.ignore(numeric_limits<streamsize>::max(), '\n');
50
51             cout << endl;
52             cout << "**** Please input a NUMBER between 0 and 6 ****";
53             cout << endl;
54
55             checkInp = false;
```

```cpp
56
57          }
58
59          //CHECKS FOR THE RANGE ERROR
60
61          else if (option > 6 || option < 0)
62          {
63
64              cout << endl;
65              cout << "**** The number "                << option
66                  << " is an invalid entry     ****" << endl;
67              cout << "**** Please input a number between 0 and 6 ****";
68              cout << endl;
69
70              checkInp = false;
71
72          }
73
74          //PASS
75
76          else
77          {
78
79              cin.ignore(numeric_limits<streamsize>::max(), '\n');
80              checkInp = true;
81
82          }
83
84      }while(!checkInp);
85
86      return option;
87 }
88
89
90
91
92
93
94
95
```