

PrintHeader.cpp

```
1 /*****
2  * PROGRAMMER : Ali Eshghi
3  * STUDENT ID : 1112261
4  * CLASS      : CS1B
5  * SECTION    : MW 7:30pm
6  * Assign #3  : Searching linked list
7  * DUE DATE   : 6 November 2019
8  *****/
9 #include "myHeader.h"
10
11 /*****
12 * FUNCTION PrintHeader
13 *
14 *
15 * This function outputs a header including the lab name, lab number,
16 * the programmer's name, the class name, and the section time
17 * as a string by ostream
18 *
19 * PRE-CONDITIONS:
20 * output - ostream variable to dynamically choose datatype
21 * of cout or ofstream
22 * labName - Name of the lab. The labName should be previously
23 * defined
24 * labNumber - Number of the lab. The labNumber should be
25 * previously defined
26 * labType - type of assignment
27 * 'A' - assignment
28 * 'L' - lab
29 *
30 * POST-CONDITIONS:
31 * outputs header as string
32 *****/
33
34 void PrintHeader(ostream &output, //IN & OUT - output file
35                 string labName,  //OUT - name of lab
36                 int labNumber,   //OUT - number of lab
37                 char labType)    //OUT - type of lab
38 {
39     //Defining and initializing constant variables
40     const char PROGRAMMER[30] = "Ali Eshghi";
41     const char CLASS[5] = "CS1B";
42     const char SECTION[20] = "MW: 7:30p - 9:50p";
43
44     // OUTPUT - Class Heading
45     output << left;
46     output << endl;
47     output << "*****";
48     output << "\n* PROGRAMMED BY : " << PROGRAMMER;
49     output << "\n* " << setw(14) << "CLASS" << ": " << CLASS;
50     output << "\n* " << setw(14) << "SECTION" << ": " << SECTION;
51     output << "\n* ";
52     if (toupper(labType) == 'L')
53     {
54         output << "LAB #" << setw(8);
55     }
```

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```
56     else
57     {
58         output << "ASSIGNMENT #" << setw(1);
59     }
60     output << labNumber << " : " << labName;
61     output << "\n*****";
62     output << "**\n\n";
63     output << right;
64 }
65
```