

```

1  /*****
2  * AUTHOR          : Nick Reardon and Danin Namiranian
3  * Lab #1          : Vectors
4  * CLASS           : CS1D
5  * SECTION         : MW - 2:30p
6  * DUE DATE        : 01 / 13 / 20
7  *****/
8  #ifndef _PRINTHEADER_H_
9  #define _PRINTHEADER_H_
10
11 #include <iostream>
12 #include <iomanip>
13 #include <ostream>
14 #include <string>
15 #include <fstream>
16 using namespace std;
17
18 /*****
19 * PrintHeader
20 * -----
21 * This function will output a class header through the use of ostream.
22 * It also will output the program description
23 * -----
24 * Call
25 * -----
26 * The function call requires 1 parameters. The following example uses an
27 * output file in the ostream parameter. Ex:
28 *
29 *     PrintHeader (oFile);
30 *
31 * -----
32 * Output
33 * -----
34 * The function will output as follows. Ex:
35 *
36 *     *****/
37 *     * PROGRAMMED BY : Parsa Khazravi and Nick Reardon
38 *     * CLASS         : CS1B
39 *     * SECTION       : MW: 7:30pm
40 *     * Lab #3        : Functions - GCD
41 *     *****/
42 *
43 * -----
44 * CONSTANTS
45 * -----
46 * OUTPUT - USED FOR CLASS HEADING
47 * -----
48 * PROGRAMMER      : Name(s) of programmer(s) - Nick Reardon
49 * SECTION         : Class times - MW - 7:30p
50 * CLASS           : Class label - CS1B
51 * PROGRAM_NUM     : # of the program
52 * PROGRAM_NAME    : Title of the program

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53 * PROGRAM_TYPE      : Type of program - Lab, Assignment, etc.
54 *
55 * -----
56 * MAX_OUTPUT        : Max movies to be output at once
57 *****/
58 const string PROGRAMMER = "Nick Reardon and Danin Namiranian";
59 const string SECTION = "MW - 2:30p";
60 const string CLASS = "CS1D";
61 const int PROGRAM_NUM = 1;
62 const string PROGRAM_NAME = "Templates";
63 const string PROGRAM_TYPE = "Lab";
64
65
66 void PrintHeader(ostream &output, string inputText)
67 {
68     string typeNum = PROGRAM_TYPE + " #" + to_string(PROGRAM_NUM);
69
70     output << left
71         << string(76, '*')
72         << endl
73         << "* PROGRAMMED BY : " << PROGRAMMER << endl
74         << " " << setw(14) << "CLASS" << ": " << CLASS << endl
75         << " " << setw(14) << "SECTION" << ": " << SECTION << endl
76         << " " << setw(14) << typeNum << ": " << PROGRAM_NAME << endl
77         << string(76, '*')
78         << endl << endl
79         << string(((76 - typeNum.length() - PROGRAM_NAME.length() ) / 2), ' ')
80         << typeNum + " - " + PROGRAM_NAME
81         << endl << endl
82         << ifstream(inputText).rdbuf()
83         << endl
84         << string(76, '*')
85         << endl << endl;
86
87 }
88
89 #endif //_PRINTHEADER_H_

```