

```

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

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

```