```
1  /************************************************************************
2   * AUTHOR          : Nick Reardon
3   * Assignment #6   : Priority Queues
4   * CLASS           : CS1D
5   * SECTION         : MW - 2:30p
6   * DUE DATE        : 02 / 24 / 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
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.
```

```
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 = 6;
61  const std::string PROGRAM_NAME = "Priority Queues";
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(((60 - 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_
```