```
/*/******************************************************************************
 * AUTHOR           : Nick Reardon
 * Extra Credit #1  : Extendable Array
 * CLASS            : CS1D
 * SECTION          : MW - 2:30p
 * DUE DATE         : 02 / 12 / 20
 *****************************************************************************/
#ifndef _PRINTHEADER_H_
#define _PRINTHEADER_H_

#include <iostream>
#include <iomanip>
#include <ostream>
#include <string>
#include <fstream>

/*****************************************************************************
* PrintHeader
* ---------------------------------------------------------------------------
* This function will output a class header through the use of ostream.
* It also will output the program description
* -----------------------------------------------------------------------------
*  Call
* ------
* The function call requires 1 parameters. The following example uses an
* output file in the ostream parameter. Ex:
*
*       PrintHeader (oFile);
*
* ---------------------------------------------------------------------------
*  Output
* --------
*   The function will output as follows. Ex:
*
*       **********************************************************
*       * PROGRAMMED BY : Parsa Khazravi and Nick Reardon
*       * CLASS         : CS1B
*       * SECTION       : MW: 7:30pm
*       * Lab #3        : Functions - GCD
*       *********************************************************
*
* ---------------------------------------------------------------------------
* CONSTANTS
* ---------------------------------------------------------------------------
* OUTPUT - USED FOR CLASS HEADING
* ---------------------------------------------------------------------------
* PROGRAMMER        : Name(s) of programmer(s)  - Nick Reardon
* SECTION           : Class times               - MW - 7:30p
* CLASS             : Class label               - CS1B
* PROGRAM_NUM       : # of the program
* PROGRAM_NAME      : Title of the program
* PROGRAM_TYPE      : Type of program - Lab, Assignment, etc.
```

```
*
* ---------------------------------------------------------------------------
* MAX_OUTPUT        : Max movies to be output at once
*****************************************************************************/
const std::string PROGRAMMER = "Nick Reardon";
const std::string SECTION = "MW - 2:30p";
const std::string CLASS = "CS1D";
const int PROGRAM_NUM = 1;
const std::string PROGRAM_NAME = "Extendable Array";
const std::string PROGRAM_TYPE = "Extra Credit";

/**
 * @fn  void PrintHeader(std::ostream &output, std::string inputText)
 * @brief   Print header
 *
 * @param [in,out]  output      ostream output
 * @param           inputText   file name of the prompt text file
 */
void PrintHeader(std::ostream &output, std::string inputText)
{
    std::string typeNum = PROGRAM_TYPE + " #" + std::to_string(PROGRAM_NUM);

    output << std::left
        << std::string(76, '*')
        << std::endl
        << "* PROGRAMMED BY   : " << PROGRAMMER << std::endl
        << "* " << std::setw(16) << "CLASS" << ": " << CLASS << std::endl
        << "* " << std::setw(16) << "SECTION" << ": " << SECTION << std::endl
        << "* " << std::setw(16) << typeNum << ": " << PROGRAM_NAME << std::endl
        << std::string(76, '*')
        << std::endl << std::endl
        << std::string(((76 - typeNum.length() - PROGRAM_NAME.length() ) / 2), ' ')
        << typeNum + " - " + PROGRAM_NAME
        << std::endl << std::endl
        << std::ifstream(inputText).rdbuf()
        << std::endl
        << std::string(76, '*')
        << std::endl << std::endl;

}

#endif //_PRINTHEADER_H_
```