

CSCI122 C++ Programming II

Chapters 3 & 6 Read File, Write File, and Functions Assignment

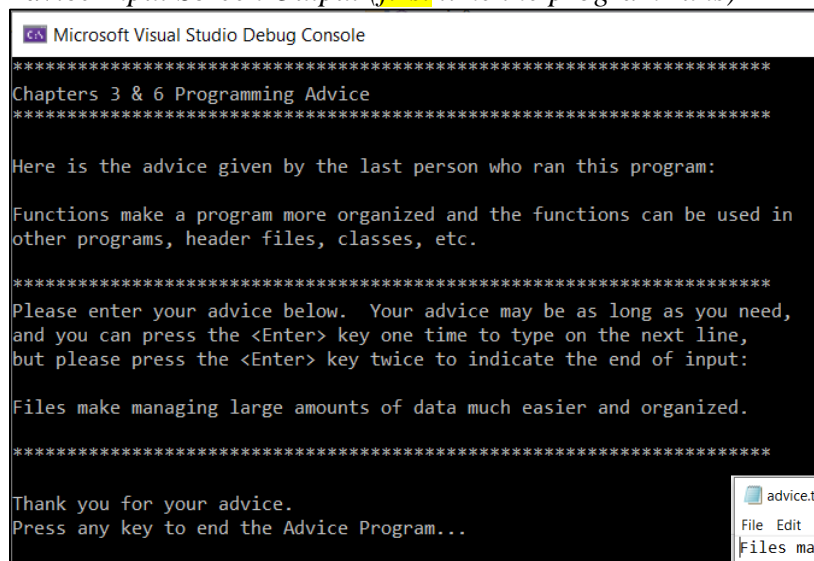
PROGRAM DIRECTIONS:

1. Write a program that gives and takes advice on program writing (read advice and write advice).
2. The program starts by writing a piece of advice to the screen and asking the user to type in a different piece of advice.
3. Then the program ends.
4. The next person to run the program receives the advice given by the person who last ran the program.
5. The advice is kept in a file (*named Advice.txt*), and the contents of the file change after each run of the program.
6. You can use a text editor (Notepad++) to enter the initial piece of advice in the file so that the first person who runs the program receives some advice.
 - a. I entered the advice “Functions make a program more organized and the function can be used in” into a text editor and saved the file Advice.txt.
 - b. The file is read and that is the advice that will display when the user runs the program the first time.
7. Allow the user to type in advice of any length so that it can be any number of lines long (pressing the Enter key to type on the next line(s)).
 - a. The advice needs to be saved to the Advice.txt file to display when the user runs the program.
8. The user is told to end his or her advice by pressing the Enter key two times; you can handle that anyway you like.
9. Please include the following functions:
 - a. Read file
 - b. Display Advice
 - c. Write file

Important Note: please just code the program as requested above with the output looking exactly like the output below. We will add a Menu function, loops, arrays, etc. as we move forward.

PROGRAM OUTPUT:

Advice Input Screen Output (first time the program runs)



```
Microsoft Visual Studio Debug Console
*****
Chapters 3 & 6 Programming Advice
*****

Here is the advice given by the last person who ran this program:

Functions make a program more organized and the functions can be used in
other programs, header files, classes, etc.

*****
Please enter your advice below. Your advice may be as long as you need,
and you can press the <Enter> key one time to type on the next line,
but please press the <Enter> key twice to indicate the end of input:

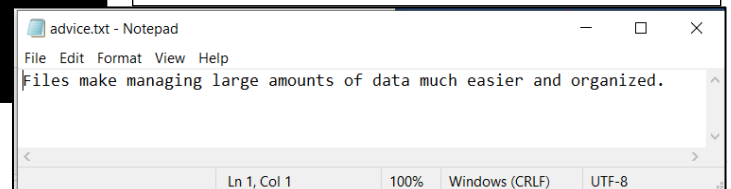
Files make managing large amounts of data much easier and organized.

*****

Thank you for your advice.
Press any key to end the Advice Program...
```

Advice.txt File:

The original text that I typed in the Advice.txt file is displayed, the user enters some new advice, and that information is saved to the file. When the program runs the second time, that is the advice that will display when the program runs:



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Advice Input Screen Output (*second* time the program runs):

```
Microsoft Visual Studio Debug Console
*****
Chapters 3 & 6 Programming Advice
*****

Here is the advice given by the last person who ran this program:

Files make managing large amounts of data much easier and organized.

*****

Please enter your advice below.  Your advice may be as long as you need,
and you can press the <Enter> key one time to type on the next line,
but please press the <Enter> key twice to indicate the end of input:

Do not forget to close any open files before the program ends.  Also,
remember to use an if statement to check if there is a file error.

*****

Thank you for your advice.
Press any key to end the Advice Program...
```

Advice.txt file after the user enters their advice and the advice that will display when the program runs again:

```
advice.txt - Notepad
File Edit Format View Help
Do not forget to close any open files before the program ends.  Also,
remember to use an if statement to check if there is a file error.
Ln 4, Col 1 100% Windows (CRLF) UTF-8
```