I. writing one line to a data file

1. Create a new C++ program that opens a file for *writing* using the following:

```
ofstream outfile;
outfile.open( "myfile.dat" );
```

2. After the open() function, make sure that no error has occurred and that the outfile was opened okay. If not, handle the error by displaying an error message to the user and exiting the program.

3. Write the string "hello file" to your outfile.

4. Close the file.

5. Compile and run your program to make sure it works correctly.

6. After you run the program, you should find "myfile.dat" in the same folder where your C++ program code resides. Look at the contents of the file (using something like **Notepad** or **Textedit**). It should contain the string "hello file". If not, then your code is not correct. Fix it and try again. Ask for help if you need it!

II. reading one line from a data file

1. Create a new C++ program that opens for *reading* the file that you created in part I above:

```
ifstream infile;
infile.open( "myfile.dat" );
```

2. After the open() function, make sure that no error has occurred and that the outfile was opened okay. If not, handle the error by displaying an error message to the user and exiting the program.

3. Read the contents of your data file into a string variable.

4. Display the value of the string variable on the screen.

5. Close the file.

6. Compile and run your program to make sure it works correctly. Your program should display "hello file."