# Assignment 3 – Input and Output

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| 1. | Write a program that calculates the average monthly rainfall for three months. The program should ask the user to enter a name for the report **that may include spaces**, the name of each month, such as June, July, and August, and the amount of rain (in inches) that fell for each of those months. The program should then display a report formatted similar to the following: | 50% |
|  | Summer Rainfall Report  June 11.25” (Inches)  July 8.91”  August 16.12”  Total 36.28”  Average 12.09”  Note that it **must be formatted** to display 2 decimal places in fixed-point notation and the rainfall measurements should line up on the right side of the report. You will need to #include<iomanip> and use the formatting values and functions it contains, like **setw()**. |  |
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| 2. | Modify the program to print the report to a file called “report.txt.” | 50% |

Submit the project to the assignment on MUOnline as a compressed (.zip) file. The submission should follow the naming convention:

CIT163\_*LastName\_FirstInitial\_*IO.zip

Remember, programming is about practice, like playing an instrument, and problem solving, like solving a puzzle. If it seems difficult, **break the problem down into ‘bite-size’ pieces.** For instance here you would just get the variables declared first, then get the input working, then output an unformatted report, then format it, then get it to make any file at all, then get it to output the report to a file. Make sure it compiles (the console appears without build errors) each step of the way; don’t wait until the very end to test it.