Pair Programming 6 Tests

# Instructions

* **Always use the pair programming tests to ensure your program works properly.**
* **Take a screen shot of each execution in the tests.**
* **Only share with your partner work that you did together.**

6a. (4 points) Execute your program and compare its output to the Expected Output column. Note that input will not always come from standard input (the keyboard), but from the file input.dat, and the output will not always go to standard output (the display), but to the file output.dat.

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| **Input** | **Expected Output** |
| Using an editor like nano or Notepad, type the following numbers in a file named ***pp6ainput*.*da*t**. This is not a C++ file. It is a simple ASCII text file.  1 77  -1  100  Then, execute the program. The Expected Output should be saved to a file named ***pp6aoutput.dat***, not written to standard output (the display). | The number is 1  The number is 77  The number is -1  The number is 100 |
| Remove *pp6aoutput.dat*  Enter the name of a file that doesn’t exist – ***blah.dat***  Verify pp6aoutput.dat still doesn’t exist after program execution. In this test, all output prints to the screen. | Enter input file name: *blah.dat*  Result: File blah.dat does not exist. |
| Create an empty file named ***empty.dat*** using the following Linux command:  ***touch empty.txt***  When you are prompted for the file name, enter empty.txt  The program should not create an output file so make sure *pp6aoutput.dat* does not exist. In this test, all output prints to the screen. | Enter input file name: *empty.txt*  File empty.txt is empty. |
| Type the following numbers into a new file named *pp6av2in.dat*  1 77.77  -1  100.99  Enter input file name pp6av2in.dat  Enter output file name pp6av2out.dat  The top 2 messages (prompts for file names) should display to the screen.  The outputs starting with “The number is … “ should be saved in *output.dat*. These should not be written to standard output (the display). | Enter input file name: *pp6av2in.dat*  Enter output file name: *pp6av2out.dat*  The number is $1.00  The number is $77.77  The number is $-1.00  The number is $100.99 |

6b. (2 points) Execute your program and compare its output to the Expected Output column. Note the input comes from a file and the output goes to standard output (the display).

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| --- | --- |
| **Input (in file pp6b.dat)** | **Expected Output** |
| AX013 1.0  BX123456 1234.56  ABNB9876152345 99999.99 | Account Number Balance  -------------------------  AX013 $ 1.00  BX123456 $ 1234.56  ABNB9876152345 $ 99999.99 |

6c. (2 points) Execute your program and compare its output to the Expected Output column. Input and output come from/go to standard input and standard output (the display), respectively.

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| --- | --- |
| **Input** | **Expected Output** |
| Hi  Mom | Enter a word: Hi  Enter another word: Mom  Hi Mom |
| Hi blah blah blah  Dad | Enter a word: Hi blah blah blah  Enter another word: Dad  Hi Dad |

6d. (2 points) Execute your program and compare its output to the Expected Output column. Input and output come from/go to standard input and standard output (the display), respectively.

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| a | Enter one character: a  is lowercase  is alphabetic |
| X | Enter one character: X  is uppercase  is alphabetic |
| 0 | Enter one character: 0  is a digit |
| Enter a tab then press enter | Enter one character:  is white space |