CS1428 Lab 3

# Name: Section:

1. (20pts) Trace the following program to determine what the output would be. Enter the values of the given variables into the grid as they are initialized or changed.

#include <iostream>

using namespace std;

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| **a** | **b** | **c** | **d** | **e** | **f** |
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int main()

{ int a, b, c, d, e, f;

a = 2;

b = 6;

c = 3;

a++;

d = a + b;

--b;

f = b;

b \*= f;

a - 2;

e = f - d;

return 0;

}

1. (20pts) Write C++ statements for the following:
2. Declare an **input** file variable named **inventoryFile**.
3. Open the file **Grocery.dat** using the input file variable **inventoryFile.**
4. Read three (3) items from the input file **inventoryFile** that you declared into the variables **item1**, **item2** and **item3**. Assume all variables have been declared.
5. Display the contents of the variables **item1**, **item2** and **item3** to the screen.
6. (20pts) Write C++ statements for the following:
7. Declare an **output** file variable named **outFile**.
8. Open the file **Scores.dat** using the output file variable **outFile.**
9. Read three (3) integer values from the keyboard into variables **score1**, **score2** and **score3**. Assume all variables have been declared.
10. Write the contents of the variables **score1**, **score2** and **score3** to the output file **Scores.dat**.
11. (15pts) Create a project in Eclipse called Lab3\_01. Add *lab3\_01.cpp* **and** *grades.txt* to your project and fix the errors in the program.
12. (25pts) Create a project in Eclipse called Lab3\_02. Add *lab3\_02.cpp* **and** *Purchase\_Details.txt* to your project and complete the program.

**Print each source file and staple them to this worksheet.**

**Upload your source files lab3\_01.cpp and lab3\_02.cpp using Homework Upload, which can be found on my website (cs.txstate.edu/~jaredp).**