

CISC105 Fall 2006 Project 3

Due 12/3/06 at midnight (that is 12 a.m. 12/4).

Name:_____

Section:_____TA:_____

Login name:_____

Read these **three** pages carefully, and fill in blanks and check off boxes that apply. Then **SIGN** at the bottom of this sheet and **STAPLE** to the front of your project.

Remember, **all** compiling and scripting must be done on the composers, not on a PC (ssh to a composer **is** on the composer).

Read the C coding and Assignment Standards page on the class website.

Do not modify the data provided if you want full credit. If you do modify data, you must say so below, and say how it was modified and why.

Script examples from the Test section. You must follow standard script protocol, i.e. cat the program, etc. See lab00 if you have a question about scripting. If you do the examples consecutively in a single script file, you may cat your program only once.

Note: You can get partial credit for a program that works partially. Just show your program's capabilities in the script file and make a note to your TA so they can understand what you did when they are grading. If you don't show us, we won't know it works.

Test Data

Test and demonstrate your menu as you perform the following tests. If answers are incorrect, note problems in the last section of the coversheet. Do not try to put the answers here, they are in your script.

Write the test numbers on the hard copy of your script where the test is performed.

Testing

1. Read original data file
2. Print highest temp in all data
3. Print lowest temp in all data

Additional testing for max 70

4. Print data for 2/2001
5. Print highest temp in 2/01
6. Print highest temp in 3/01

7. Print lowest temp in 3/01
8. Print lowest temp in 9/02
9. Print average low temp in 1/01
10. Print average high temp in 2/01
11. Read in new data file **test1.csv**. The following items are based on the new data you have read in.

Additional testing for max 80

12. Print highest temp in Bellevue in 1/01
13. Print location that had highest temp in 1/01
14. Replace the temperature data for 1/4/02 with 64,56
15. Make a bar chart for 1/01
16. Sort the data by city. Print the data.
17. Sort the data by high temperature. Print the data.
18. Sort the data by low temperature. Print the data.
19. Sort the data by date. Print the data.
20. Print the average high temp for Bellevue between 1/1/00 and 1/1/02.
21. Print the average high temp for Bellevue between 1/3/01 and 1/1/07.

Additional testing for max 90

22. Write the data to a file named new.csv
23. Sort the data by low temperature. Print the data.
24. Add the data: 2/5/03,50,20,Altoona
25. Add the data: 2/5/00,55,3,Conshohocken
26. Sort by date. Print the data.
27. Sort by low temp. Print the data.

Answer: Did you modify any of the input data? If so, what did you change, and why?

Here is space for any other information about your program, its extra capabilities (e.g. error testing), or its execution that you think the grader should know. If your program does not work perfectly, explain which part doesn't work here:

Check **EVERY** box below to receive full credit for your project:

I have thoroughly checked the output of my project for all data sets provided.

I have circled all errors in my output, if any. (possible 10 % penalty)

I have read the Assignment Standards section of the website.

I have read the C Coding Standards section of the website.

I have done all the coding on this project by myself, and I am familiar with the University's policy on academic honesty.

I have read the notes and examples regarding Academic Honesty on the class website, and I understand them.

I certify that the above statements are true.

SIGNATURE_____