CISC105 Spring 2006 Project 3
Due May 14 at midnight (that is 12 a.m. 5/15). Paper copy due Monday at start of class.

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Read these **3** pages carefully, and fill in blanks and check off boxes that apply. Then **SIGN** at the bottom of the last sheet and **STAPLE** all to the **FRONT** of your project. Projects that do not have coversheets correctly filled may not be graded, and unsigned project coversheets are subject to a **ten percent penalty** daily until you meet with your TA to sign.

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 all examples fully (see below), and then check the box next to each to indicate you did so, and that it worked correctly. You must follow standard script protocol, cat the program, etc. See lab00 if you have a question about scripting.

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 and you will not receive credit for it.

Testing

Here are the testing instructions. Perform them in the order listed to receive full credit. **Check them off** as you perform them.

☐ 1 start your script

☐ 2 cat your entire program

☐ 3 compile your program

Run your program on vocab1.txt and testData1.txt, as follows:

☐ 4 read in the vocabulary

☐ 5 print the vocabulary before it is sorted, putting five words on each line

☐ 6 sort the vocabulary alphabetically

☐ 7   count the word frequencies in the data file (testData1.txt)

☐ 8   print the vocab with word counts, putting five words on each line

☐ 9   sort the vocabulary by word count

☐ 10   print the vocab with word counts (in the new order), putting five words on each line

☐ 11   read the data file again, this time computing bigram frequencies

☐ 12   print the bigram frequencies in the four columnms described in my email to you last week.

      Now run your program on the original vocabulary for Basic English and ghos.txt, as follows:

☐ 13   End the first script, and start a new script file.

☐ 14   read in the vocabulary

☐ 15   sort the vocabulary alphabetically (do not skip this step even if you think it is unnecessary)

☐ 16   count the word frequencies in the data file (ghos.txt)

☐ 17   print the vocab with word counts, putting five words on each line

☐ 18   sort the vocabulary by word count

☐ 19   print the vocab with word counts (in the new order), putting five words on each line

☐ 20   read the data file again, this time computing bigram frequencies

☐ 21   print the bigram frequencies in the four columnms described in my email to you last week.

Overall performance

For each part, check the ONE box that best describes the performance of your program. NOTE: this must match the actual performance of your code in the script file or your project will be penalized.

	works perfectly for all data	runs w/bugs	compiles	won't compile
first data file				
second data file				

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 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 and **sign** to have your project graded and to receive full credit for your project. Unsigned projects will receive a **zero**.

I have not altered my script file in any way.
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