Name:

Please remember you must follow instructions exactly in this course. Failure to follow these instructions will result in a failing grade on this quiz.

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_08/lastname\_firstname

Make sure your directory permissions are set so that only you can view the contents of the directory.

1. Create a file called foo.txt that contains the following data (including the blank lines):

# this is a comment line

# this is another comment line

val1 = 99.0

val2 = character\_string\_with\_no\_spaces

val3 = -27

# another comment line

# end of file

1. Write a program called foo.cc using a Makefile, header file, etc., that reads this file and prints the corresponding values to stdout:

nedc\_999\_[1]: foo.exe foo.txt

the value of val1 is 99.0

the value of val2 is “character\_string\_with\_no\_spaces”

the value of val3 is -27

Note that your program should work for any file of this form and should accept the filename from the command line. For example, the file “joe.txt”:

val2 = character\_string\_with\_no\_spaces

val3 = -27

val1 = 99.0

# comment line

# another comment line

# another comment line

# end of file

should produce the same output as shown above. In other words, comment lines can be anywhere, and the variables can come in any order. You can assume “val1” is always a floating-point number; “val2” is a character string, and “val3” is an integer.

Your implementation should include a main program named *foo.cc*. The code should be modular, well commented and well formatted. Everything should compile and link with a Make file.