Name:

Submit your quiz by depositing your work in the directory:

/data/courses/ece\_1111/current/quizzes/qu\_02/lastname\_firstname/

Put problem 1 in subdirectory p01 and problem 2 in subdirectory p02.

1. (50 pts) Write a C program, named **foo.cc**, that functions as follows:

ece-000[1]: foo.exe ece\_1111 Friday “January” 21 2022

The name of this class is: ece\_1111

Today’s date is: January 21, 2022

The day of the week is: Friday

ece-000[1]: foo.exe ece\_3822 Thursday “February” 03 2022

The name of this class is: ece\_3822

Today’s date is: February 3, 2022

The day of the week is: Thursday

You must use a **make file** and your code should compile and link by typing “make”. The output from your program must match the output above exactly.

1. (50 pts) Search this directory:

/data/courses/ece\_1111/current/resources/reports\_small

and generate a list of files with an extension “\*.txt” and that have “8” in the basename (the filename minus the extension) into a text file called **mylist.txt**. Place the command that you used to do this in the documentation file **AAREADME.txt**. Your list should look something like this:

…

/data/courses/ece\_1111/current/resources/reports\_small/291/0291017/s06\_2009\_09\_21/00002817\_s06.txt

/data/courses/ece\_1111/current/resources/reports\_small/291/0291018/s01\_2003\_04\_25/00005708\_s01.txt

/data/courses/ece\_1111/current/resources/reports\_small/291/0291019/s13\_2010\_10\_13/00000088\_s13.txt

…

Write a shellscript that processes this list and prints out the number of lines in this file. Call this file **count\_lines.sh**. It should have lines that look something like this:

#!/bin/sh

#

… your code goes here …

#

# end of script

This script should print out the following message:

ece-000[1]: count\_lines.sh mylist.txt

the number of lines = 670

I should be able to execute it from the command line as a command (e.g., by typing count\_lines.sh). It should work for any input file.

When you complete this quiz, you should have two directories: p01 and p02. In p01, you should have code and a make file. In p02, you should have a script file named count\_linest.sh that has executable permission, a file list file named mylist.txt, and an AAREADME.txt file. There should be no other files.