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) Count the total number of files found here:

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

that have a year between 2011 and 2013 and have the word “clinical” and “sharp” somewhere in the file. Note that the filename contains strings like “s03\_2009\_12\_23”. The second part of this text, “2009” is the year in which the report was generated. You can use this field to isolate reports generated between 2011 and 2013 inclusive.

Note that your search must be case insensitive – “sharp”, “Sharp” and “SHARP” are all considered matches. Note also that the match need not occur on the same line.

Put your command(s) in a file named p01.txt. Add the result you obtained from running your command on the above directory at the bottom of this file. Do not include intermediate results in this file. Just include the command(s) you used and the result.

1. (50 pts) Shell scripts in Unix can be used to combine a sequence of commands into a single script or command. Start with this simple shell script:

#!/bin/sh

echo $1

# end of script

“$1” is the first argument in the command line.

Create a script with the name p02.sh by copying the above code into a file named p02.sh. Give the file executable permission so I can run it just by typing “p02.sh”.

Add Linux commands to this script that print out the size of the file. This is what your output should look like:

ece\_000\_[1]: p02.sh foo.txt

the size of foo.txt in bytes is: 99

“99” is the actual file size of foo.txt.

Hint: Use the ls command and pipes.