Name:

Deposit your quiz solution in this directory:

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

Make sure the permissions are set properly on this directory, which we refer to as the parent directory, *so only you (and a superuser) can view the contents*. Create two subdirectories, *p01* and *p02*, for your solutions to each of the problems below. There should be no files in the parent directory.

1. (50 pts) In a subdirectory *p01*, write a bash shell script that finds each file in this database:

/data/courses/ece\_1111/resources/data/lots\_of\_files

that has “*eee*” in the filename (no quotes, just three consecutive letters *“e”*) and contains the text “*ece\_1111*”. Your script should be named “*p01*” and I should be able to run it this way:

ece-000\_[1]: p01 /data/courses/ece\_1111/resources/data/lots\_of\_files

matching file: <filename>

...

matching file: <filename>

The output must be exactly as shown. It should search starting at the directory name provided from the command line (hint: inside your script, the program name is the variable named $0 and the first argument is *$1*).

1. (50 pts) In a subdirectory *p02*, write a Python program, not a script, in a file named *p02*, that does the following:
2. prints the program name to the terminal (stdout).
3. accepts an integer argument from the command line.
4. computes the factorial of the argument.
5. prints the value to the terminal (stdout).

For example:

ece-000\_[1]: p02 3

The program name is: p02

the value of 3! is 6

Print the factorial value right justified using a total of 8 spaces for the number. Your output should look identical to the above output.

I must be able to copy your program to any filename (e.g., *myprog.xxxyyy*) and run it. It should print the correct program name as output.