Name:

Deposit your quiz solution in this directory:

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

in a file named p01.py.

Write a Python program that accepts a text file with a list of filenames as an argument:

p01.py x.list

The file x.list contains a list of filenames:

ece-000\_[1]: p

/data/courses/ece\_1111/resources/small\_data

ece-000\_[1]: cat x.list

/data/courses/ece\_1111/resources/small\_data/x1.dat

/data/courses/ece\_1111/resources/small\_data/x2.dat

/data/courses/ece\_1111/resources/small\_data/x3.dat

Your program should loop through filenames on this list, open the file, loop through all lines in the file, and add the numbers together. For example:

ece-000\_[1]: p01.py /data/courses/ece\_1111/resources/small\_data/x.list

sum = 120

ece-000\_[1]: p01.py /data/courses/ece\_1111/resources/small\_data/xx.list

sum = 75

What are the advantages of this interface over using a command line approach like:

ece-000\_[1]: p01.py `find /data/courses/ece\_1111/resources/small\_data -name “\*.dat”`

In a comment section at the top of p01.py, provide your explanation.