Name:

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_10/lastname\_firstname

creating a file named p01.py that contains your solution.

Write a Python program that sorts lines in an input file in ascending (increasing) order based on the last value on the line, which will always be a floating-point number. Print the sorted result to stdout as shown below. You must process all command line arguments:

p01.py <filename1> <filename2> <…> filenameAAA.txt

and sort all lines in all files into a single list ordered in ascending order.

For example:

ece-000\_[1]: cat /data/courses/ece\_1111/current/quizzes/qu\_10/picone\_joseph/example.txt

the fifth line = 99.0

the fourth line = 59.0

the third line = 0.0

the second line = -10.0

the first line = -99.0

ece-000\_[1]: p01.py /data/courses/ece\_1111/current/quizzes/qu\_10/picone\_joseph/example.txt

the first line = -99.0

the second line = -10.0

the third line = 0.0

the fourth line = 59.0

the fifth line = 99.0

and:

ece-000\_[1]: cat example.txt

the fifth line = 99.0

the fourth line = 59.0

the third line = 0.0

the second line = -10.0

the first line = -99.0

ece-000\_[1]: cat example\_2.txt

the fifth line = 99.1

the fourth line = 59.1

the third line = 0.1

the second line = -10.1

the first line = -99.1

ece-000\_[1]: p01.py example.txt example\_2.txt

the first line = -99.1

the first line = -99.0

the second line = -10.1

the second line = -10.0

the third line = 0.0

the third line = 0.1

the fourth line = 59.0

the fourth line = 59.1

the fifth line = 99.0

the fifth line = 99.1

Your program should work for any data files that have a floating-point number as the last entry on the line.