Name:

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_04/lastname\_firstname/p01

creating a file named *p01.py* that contains your solution. Make sure your parent directory has the correct permissions.

In this quiz, you will write a Python program that removes duplicate entries from two arrays. You will read the arrays, which will only contain integers, from two files, remove all of the entries from the first array that appear in the second array, and print out the first array sorted in ascending order with the duplicate items removed.

Here is an example that demonstrates the process. The two arrays are contained here:

/data/courses/ece\_1111/2025\_01\_fall/quizzes/qu\_04/picone\_joseph/p01/f1.dat

/data/courses/ece\_1111/2025\_01\_fall/quizzes/qu\_04/picone\_joseph/p01/f2.dat

The first file contains the numbers $[-5,5,6,4,3,2,1]$. The second file contains the numbers $[-5,3]$. The output of your program should be:

ece-000\_[1]: p01.py f1.dat f2.dat

1

2

4

5

6

Your program should work for any two files containing data in the format shown. Though I have abbreviated the filenames above, I should be able to specify any filename from the command line. As long as the full path is specified, your program should process the file. The two input files need not be in the same directory.