Name _____

Mohawk Valley Community College
CI 132 Lab 18

Provide the command(s) necessary to solve the following problems. The command string provided should be in its <u>simplest possible form</u> (don't use two commands where one will accomplish the task).

For questions 1-5, use the file **/opt/ci132/data/filter_examples/names** which contains data in the format:
Lastname,Firstname

1. Sort the file **names** alphabetically by last name

2. Sort the file **names** alphabetically inverted (from z to a) by first name

3. Display only last names in the file   **names**   with duplicates removed

4. For each last name in **names**, display a count of how many people have that last name.

5. Display the list of names alphabetically sorted by last name and displayed in the following format:
Firstname Lastname

6. For each word in the unix dictionary file (located at **/usr/share/dict/words**), list the command string to display how many words begin with the same first five letters. The displayed output should be: *count string*. (Don't worry about words less than 5 characters appearing in your output)

    Example output:
    ```
     5 abori
    13 abort
     1 abouc
     4 aboun
    ```

7. Modify the command string above to display the top 5 duplicated strings (the top five 5-character strings that are shared by multiple words). Your output should be: *count string*. Provide the output **and** the command string used.

8. Summarize the difference in result of executing the commands:
    a) sort students > f1 ; wc f1
    b) sort students | wc