

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 simplest possible form (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`