

Name \_\_\_\_\_

## **Mohawk Valley Community College**

### **CI 132 Lab 4**

1. Log in to the class shell server via SSH and change to the directory `/opt/ci132/submit/`. Provide the command string used.
2. Provide the shortest possible command string to change from the submit directory to `/opt/ci132/graded/`.
3. Provide the command string to display a long listing of this directory.
4. What command string would be used to display the file `/var/log/messages` one page at a time?
5. A command string may be composed of three different components: The command, options, and arguments. Explain the purpose of each and what must separate them. Provide an example containing all three components to further illustrate your point.

6. When using the `ls` command, what extra information is displayed in a long format directory listing? Why is seeing this extra information useful?
7. Explain the difference between a binary and text file
8. What command will identify the type of data contained within a regular file on a unix system?
9. What type of data does the file `/opt/ci132/data/whatami` contain?
10. Executable programs (binaries) are primarily stored in four directories in a linux system? Provide the full absolute paths to these four directories.

11. Change to one of the directories containing the executable programs on the shell server and list its contents. Use the unix manual to identify a command among the directory listing which accepts both options and arguments. The command you pick must not be one already introduced in class. Use the unix manual to learn more about your chosen command. In the space below, identify your command, explain its purpose, and provide an example of its usage using both options and arguments.

12. Explain the difference between the bin and/sbin directories on a unix system.