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CST-321

Family of Operating Systems

**Command Table**

|  |  |
| --- | --- |
| **Syntax** | **Description** |
| whoami | Displays the username of the current active user |
| users | Displays all users that are currently logged in (no idea why mine is listed twice, maybe something with admin?) |
| ls | Lists all files/subdirectories in the current directory |
| ls -a | Lists all files/subdirectories, including those that are hidden, in the current directory |
| ls -t | Lists all files and directories and sorts them by the last modification time, the most recently edited ones being first. |
| ls -R | Recursively lists all files/subdirectories, including the subdirectories of the subdirectories. |
| chmod a-wrx | Removes read, write, and execute permissions for all users. |
| chmod a+r | Gives read permissions for all users. |
| chmod a+wrx | Gives read, write, and execute permissions to all users. |
| grep iz Groceries | Searches for the string “iz” in the Groceries.txt document. |
| sort Groceries | Sorts the contents of Groceries.txt in alphabetical order. |
| grep a Groceries | sort | Search Groceries.txt for the string ‘a’ and then pipes the output into sort to list the results alphabetically. |
| head -2 Groceries | “Peaks” into Groceriers.txt and outputs the first two lines of text. |
| pwd | Prints out the current working directory. |
| bc -l | Opens a calculator, no idea how much you can do with it but I thought it was pretty cool. |
| history 2 | Shows the last two commands (including itself) that the user used |
| grep a Groceries > test.txt | Instead of outputting the result of the grep command to the terminal it will instead write it to the file test.txt |
| cat test.txt | Lists the contents of the file to the terminal |

**Superuser**

A superuser is a user who has the highest level of access and privileges on a system. It allows them to perform any task, modify and file, and install any software. It also allows control over users and who is allowed to create, delete, and modify files.

**Screenshot Step 1-3**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 4**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 5**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 6**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 7a**

**A screenshot of a computer

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**Screenshot Step 7bc**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 9**

**A screenshot of a computer

Description automatically generated**

**Screenshot Step 10**

**A screenshot of a computer

Description automatically generated**

**Sources**

Superuser Information - [Hivelocity](https://www.hivelocity.net/blog/what-is-linux-how-does-it-work-and-what-can-i-do-as-a-superuser/)

Misc UNIX Commands – [Users.york.ac.uk](https://www-users.york.ac.uk/~pjh503/linux/commands.html)