

CSCI 211: Unix Lab

Lab 3 Practice

Note:

1. You must rely on UNIX commands only to solve the problems. No manipulation on Windows is allowed (such as scrolling the PuTTY screen).

Pre-step:

Run the command "source /lab3/prac/prep.sh" exactly once.

Note:

You must use a **single** command for each of the following operations unless specified otherwise. You may get help from the commands on next page.

1. Set the value of variable PATH that put the current directory and parent directory before any other paths.
2. Verify the success of the previous command by showing the value of environment variable PATH.
3. List the login id of who are login the system, their login date and time, from which host to login.
4. Copy all the file of which the name has 'xyz' starting at the fourth character from the current directory to the directory named "sandbox"
5. Go inside the sandbox directory, list the content of that directory, and then get back to the parent directory. Achieve this by running multiple commands in one line.
6. In the current directory TREE, find the files with "text" in their names. Show their names and paths (relative to the current directory).
7. Find the line in the file named "grepfile" that contains "ZZZZ", and shows the line number of the lines
8. In the current directory TREE, find the files with "hidden treasure" (case insensitive) in their content. Show their names and paths (relative to the current directory) and line number.
9. In the current directory TREE, find the files with the word that starts with "tre" and ends with "re" and have capital letters in between. Show their names and paths (relative to the current directory) and line number.
10. In the current directory TREE, find the files with the word that starts with "tre" and ends with "re" and have zero or more digits in between. Show their names and paths (relative to the current directory) and line number.

Select from the following commands to finish the practice problems. The commands are not in the order of problems.

[cat grepfile | grep -n ZZZZ](#) (use pipe to let output of [cat](#) as input of [grep](#))

[cd sandbox; ls -l; cd ..](#)

[cp ???xyz* sandbox/](#)

[echo \\$PATH](#)

[export PATH=.:.:.\\$PATH](#)

[find ./ -name "*text*" -print](#)

[finger](#)

[grep -n -r -E "tre\[0-9\]*sure" .](#)

[grep -n -r -E "tre\[A-Z\]+sure" .](#)

[grep -n -r -i "hidden treasure" .](#)

[grep -n ZZZZ grepfile](#)

[who](#)