

CSE337 Quiz 3 Practice Questions

Questions

1. Short questions.[1 point each]

Write the 9-letter symbolic notation for file permissions where the owner is only able to read and write, the group is only able to read and the others are only able to execute.

Write commands for setting file permissions of a log.txt file such that the owner is able to read and write, while the group is only able to execute.

Write a command for displaying the name of the current shell.

Write a command for displaying the first five lines of the file log.txt.

Write a command for writing the names of the files and folders in current directory to a file named dir.txt.

Write the same command as the previous question, but this time redirect only STDERR to direrr.txt.

Write a command that will print the number of files (*i.e.*, files and directories) in the current directory to the screen

Write three different uses of cd command to move to the home directory.

Write a command for counting the number of currently active users in a machine.

Create an x variable whose value is 3, both in bash and csh.

Write the command for copying each and every Python file (.py) to a directory named "source_codes" in the same folder.

Write the real life equivalents(*i.e.*, the devices used) of STDOUT, STDIN and STDERR while you are using Shell.

Provide the output of a shell script named "script.sh" and containing only the following line: "echo \$0;".

Write a command for getting 5 processes with the lowest process IDs (Note: you can get the processes using "ps" command and the first column is the process ID)

Write a command that prints the line before the last line given a log.txt file.

Bonus: Write a command that can get you in big trouble if executed on your machine.

2. Assume the following directory structure for this question:

.bashrc	lecture22/app/routes.py	lecture22/source.c
.bash_profile	lecture22/app/models.py	lecture22/source.h
lecture22	lecture22/logs	lecture22/source.o
lecture22/wiki.py	lecture22/logs/todo.txt	lecture22/primes.c
lecture22/new_wiki.py	lecture22/logs/readme.txt	lecture22/primes.o
lecture22/app	lecture22/run.sh	lecture22/primes.h

What is the output of the following commands?[5 pts]

```
cd lecture22
ls *.ch > outp
ls logs/* » outp
sort outp
```

What do the following commands do?[4 pts]

```
cd lecture22
mv */*.txt ..
```

What happens once the following commands are executed?[3 pts]

```
cd lecture22
rmdir app
rmdir logs
```

Write a single command for deleting all Python (.py) and text (.txt) files in all directories under lecture22(Assuming there are such files).[3 pts]