Basic VI and CLI Assignment

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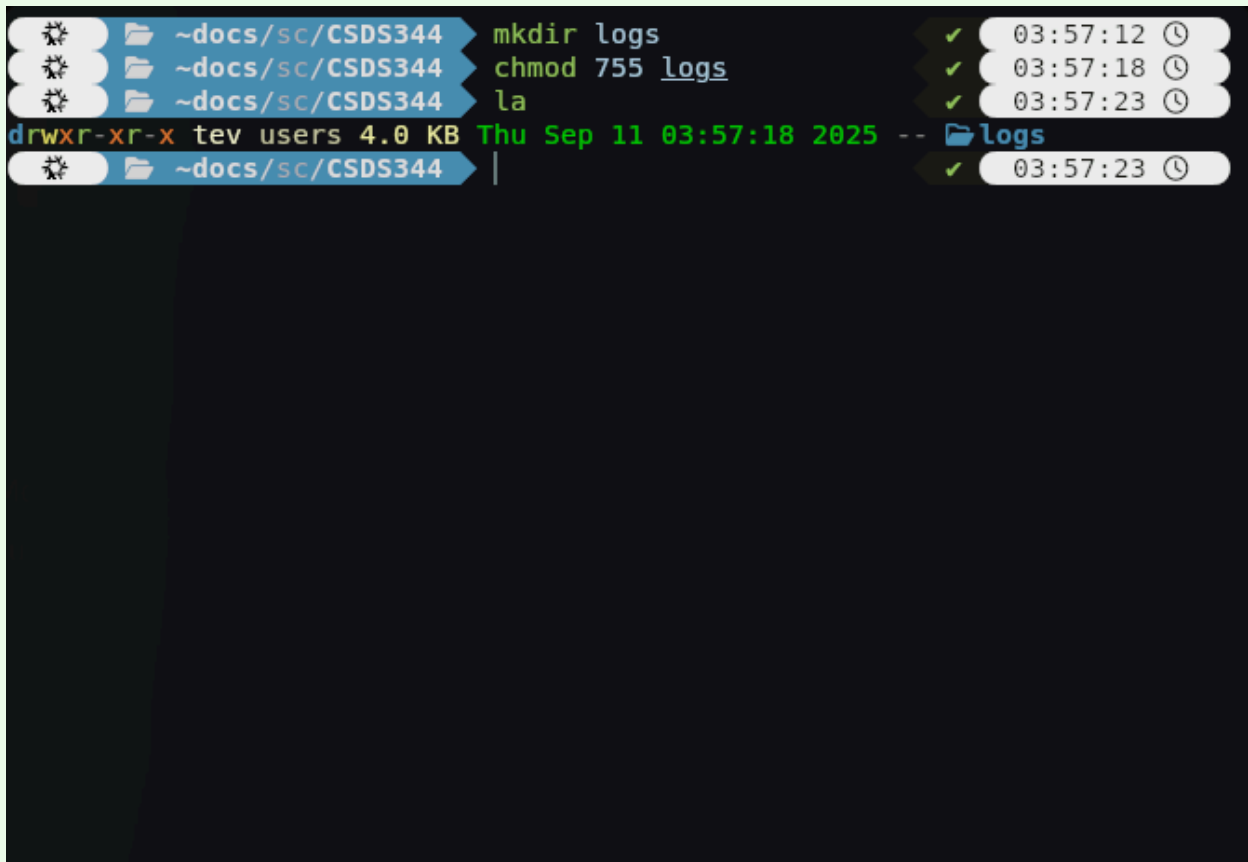tln32

1

Create a directory called logs and change the permissions so that only the owner can add files to the log directory and anybody (including group and everyone else) can read and execute the directory.

Submit a screenshot showing the command to make the directory, the command to set the permissions, and an `ls -l` to show the permissions.

2

Create a file called `todos.txt` using vi. Put in 3 things you like to do on 3 separate lines. Then in control mode, type the following `:set number`. Submit a screenshot while you are still in vi with the number option set.

✓ **Answer**

```
 1 submit this homework
 2 take a screenshot
 3 type up my reasoning
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
:set number                                    3,20           All
```

3

Rename the file called `todos.txt` to `completed.txt` . Submit a screenshot that shows the command to rename the file and the output from the `ls` command.

✓ **Answer**

```
 ⚙   📁 ~docs/sc/CSDS344 ⟩  la                          ✓  03:58:46 🕐
drwxr-xr-x tev users 4.0 KB Thu Sep 11 03:57:18 2025 -- 📂 logs
.rw-r--r-- tev users  60 B  Thu Sep 11 03:58:41 2025 -- 📄 todos.txt
 ⚙   📁 ~docs/sc/CSDS344 ⟩  mv todos.txt completed.txt
 ⚙   📁 ~docs/sc/CSDS344 ⟩  la                          ✓  03:58:55 🕐
.rw-r--r-- tev users  60 B  Thu Sep 11 03:58:41 2025 -- 📄 completed.txt
drwxr-xr-x tev users 4.0 KB Thu Sep 11 03:57:18 2025 -- 📂 logs
 ⚙   📁 ~docs/sc/CSDS344 ⟩  |                            ✓  03:58:55 🕐
```

4

Make a copy of the file `completed.txt` to a new directory called `docs` . Submit a screenshot of the command to make the directory, perform the copy, and the output from ls confirming it was copied (not moved).

✓ **Answer**

```
      ❄     📁 ~docs/sc/CSDS344    mkdir docs                    ✔  03:59:56 🕐
      ❄     📁 ~docs/sc/CSDS344    cp completed.txt docs         ✔  04:00:00 🕐
      ❄     📁 ~docs/sc/CSDS344    la                            ✔  04:00:04 🕐
.rw-r--r-- tev users   60 B   Thu Sep 11 03:58:41 2025  -- 📄 completed.txt
drwxr-xr-x tev users 4.0 KB Thu Sep 11 04:00:04 2025  -- 📂 docs
drwxr-xr-x tev users 4.0 KB Thu Sep 11 03:57:18 2025  -- 📂 logs
      ❄     📁 ~docs/sc/CSDS344    la docs                       ✔  04:00:07 🕐
.rw-r--r-- tev users 60 B Thu Sep 11 04:00:04 2025  -- 📄 completed.txt
      ❄     📁 ~docs/sc/CSDS344    |                             ✔  04:00:08 🕐
```

5

Using the following: `cat` , `wc` , and `|` (pipe), print out only the number of characters in
`completed.txt` (the one that you moved into docs) while being in your home directory (Do
not change directory into docs). To find out more information about `wc` , you can use the
following: `man wc` which will show the manual for the program.

> ✓ **Answer**

```
❄  📁 ~docs/sc/CSDS344  cat docs/completed.txt | wc -m
60
❄  📁 ~docs/sc/CSDS344  |                          ✓  04:01:07 🕐
```

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