CSCI-2201
Lab-1

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Contents

1 Exercise 1.A

Figure 1: Step 1

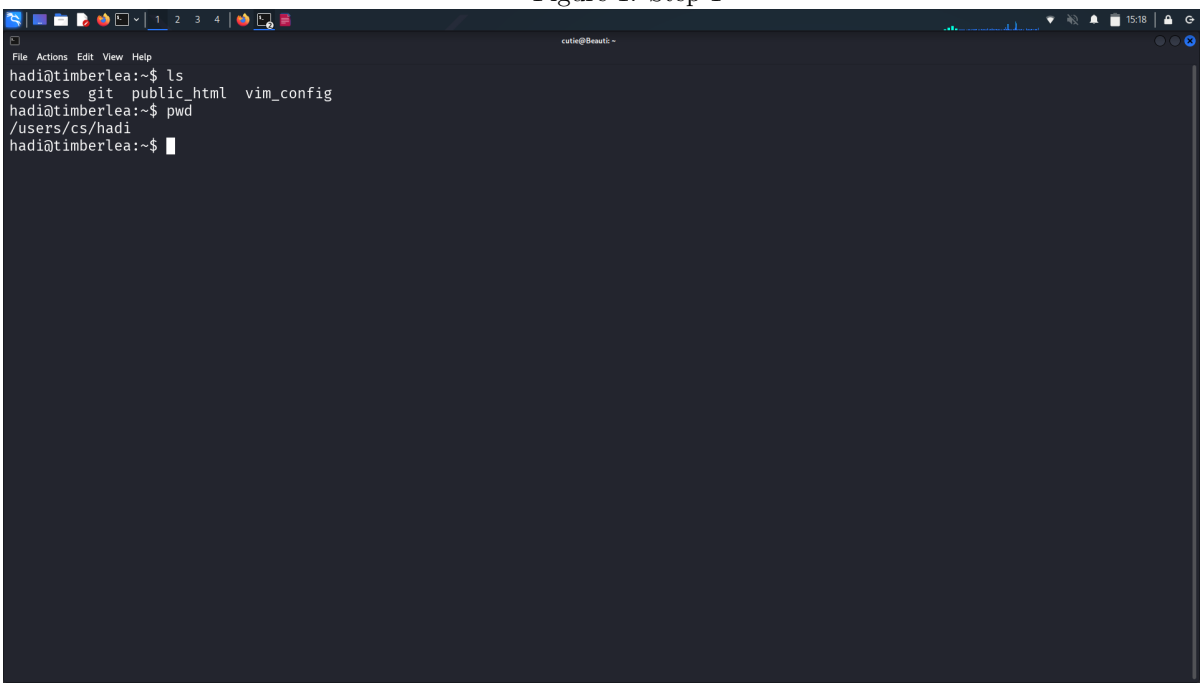


Figure 2: Steps 2 and 3

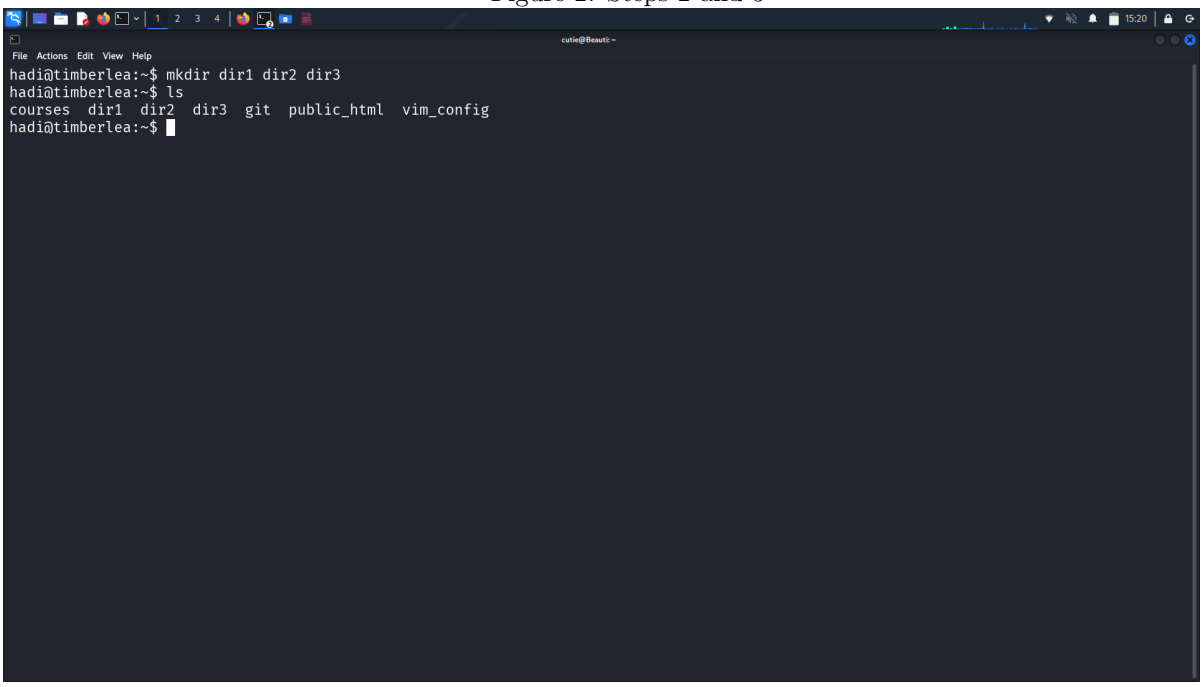


Figure 3: Steps 4 and 5

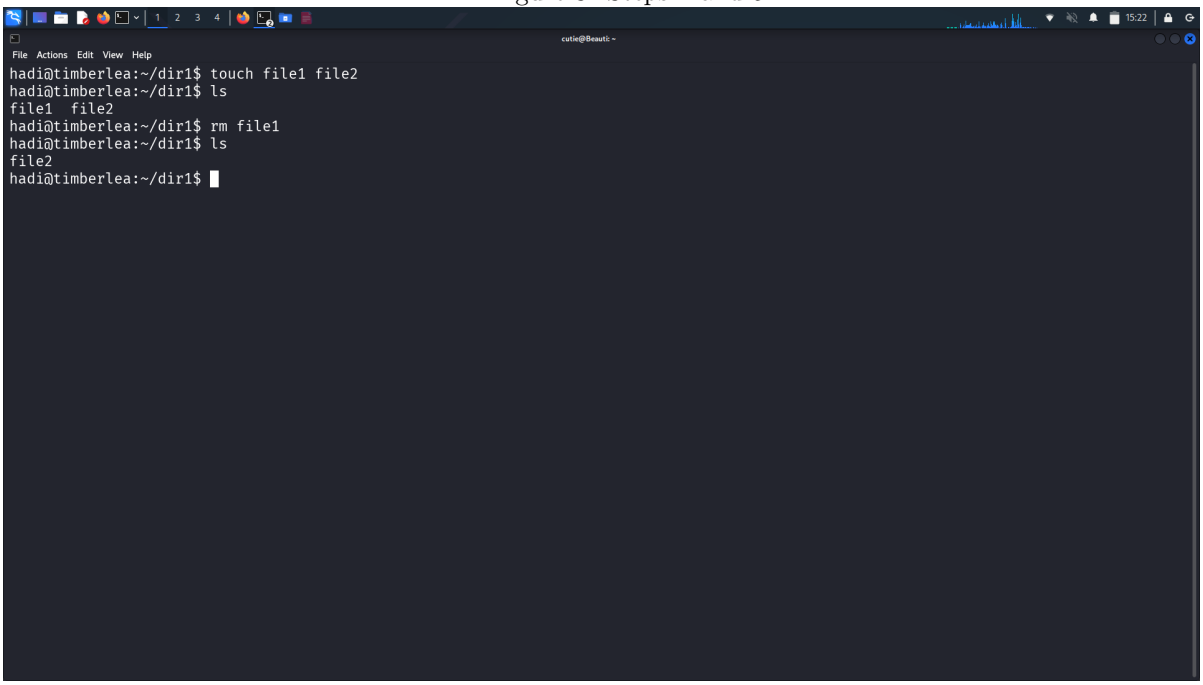


Figure 4: Step 6

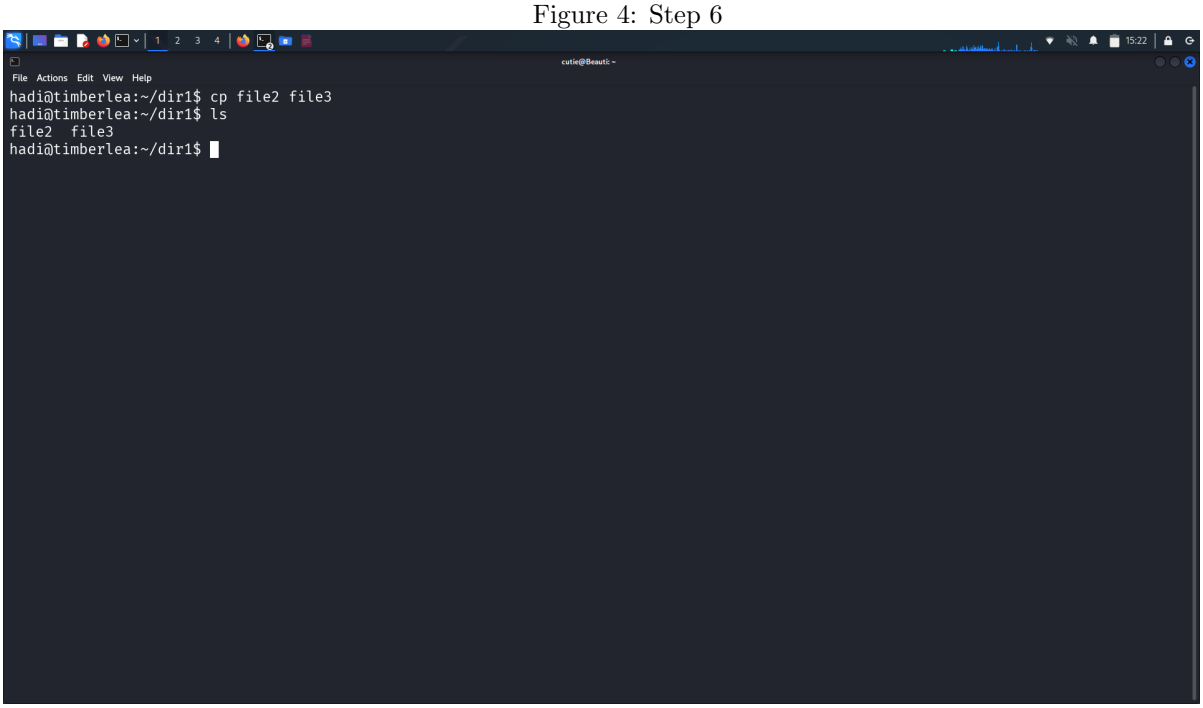


Figure 5: Step 7

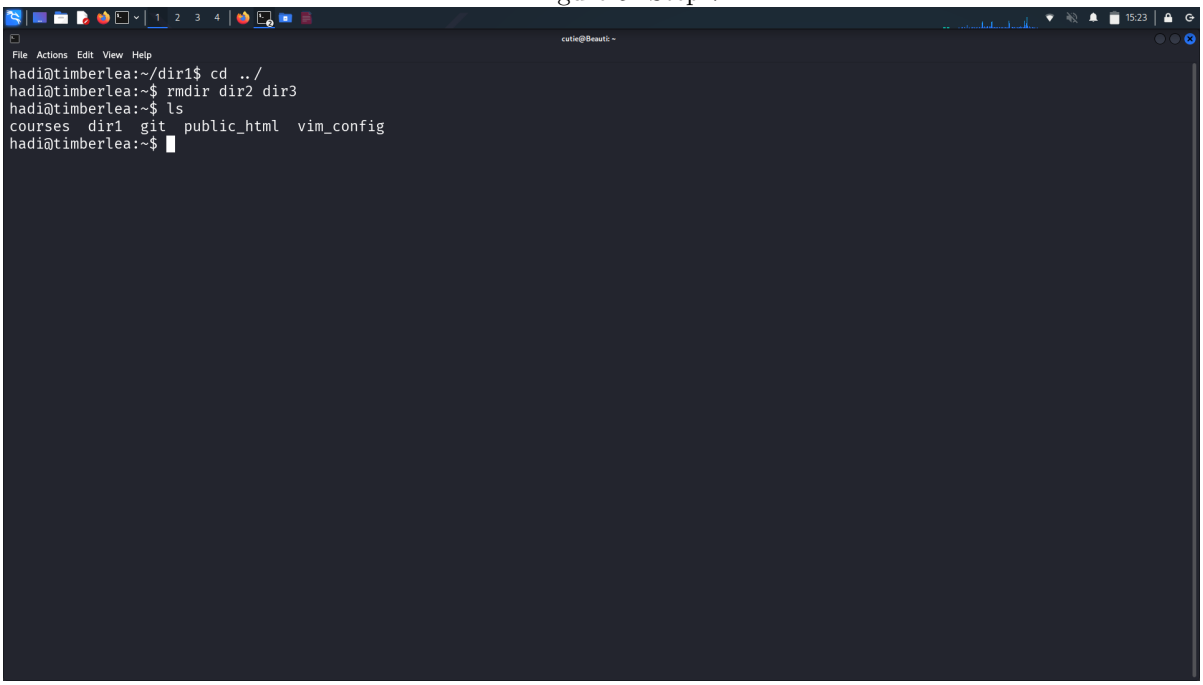
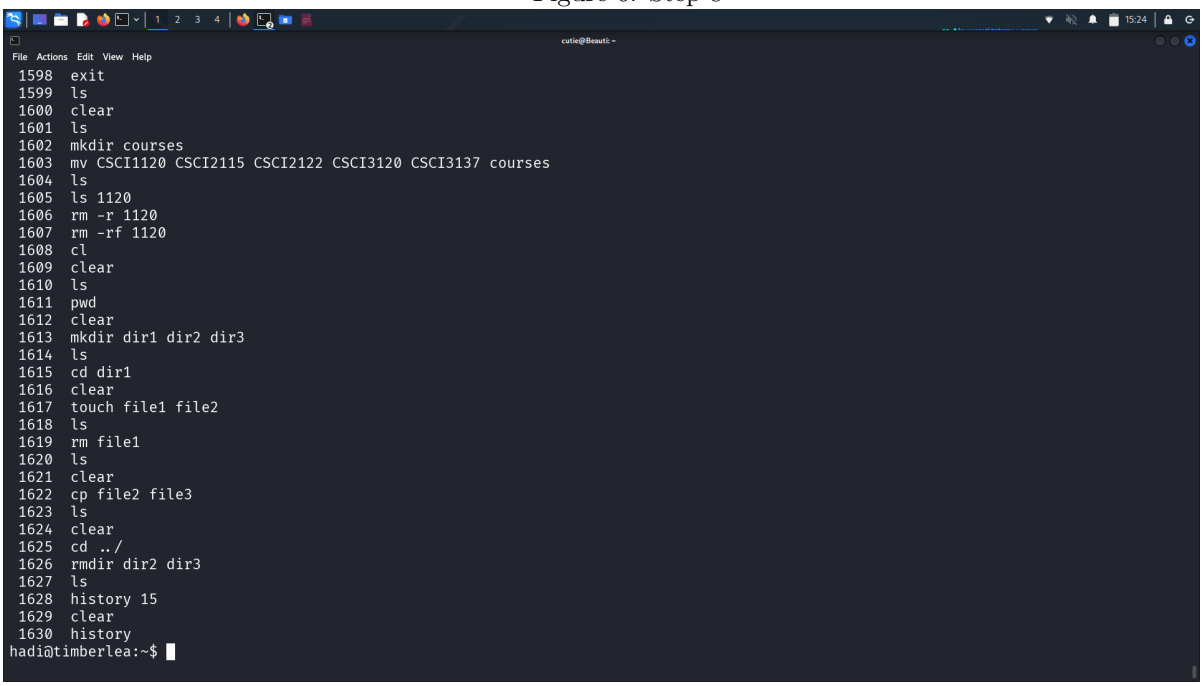


Figure 6: Step 8



2 Exercise 1.B

Figure 7: Steps 1 and 2

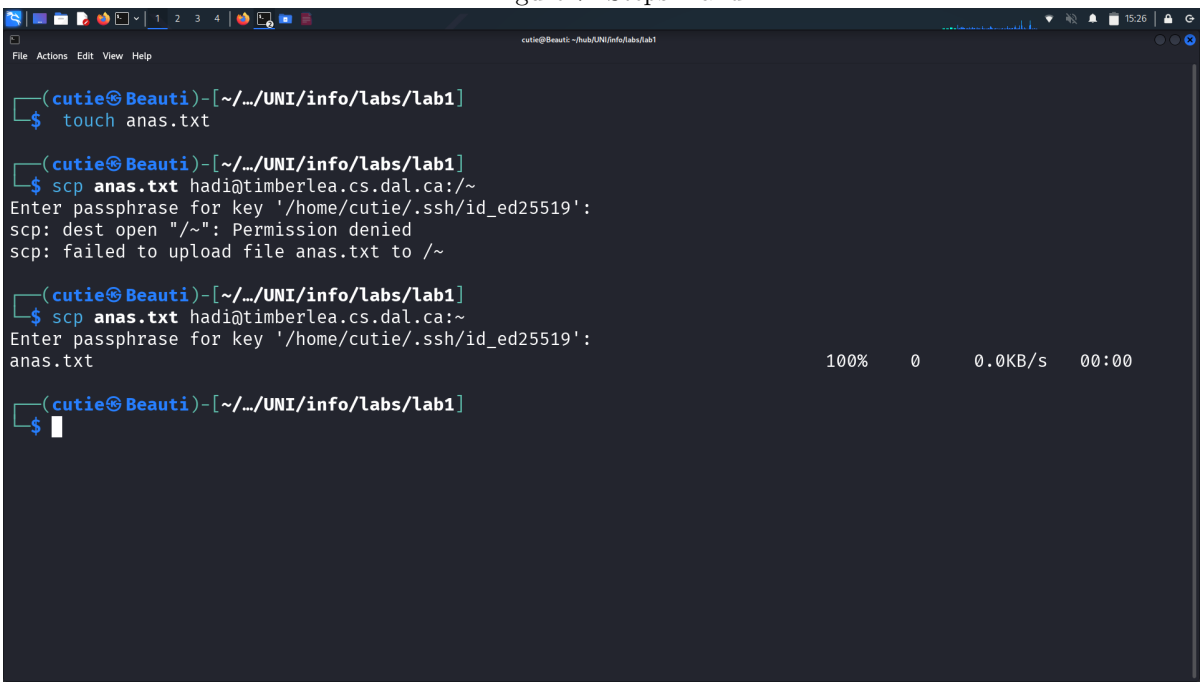
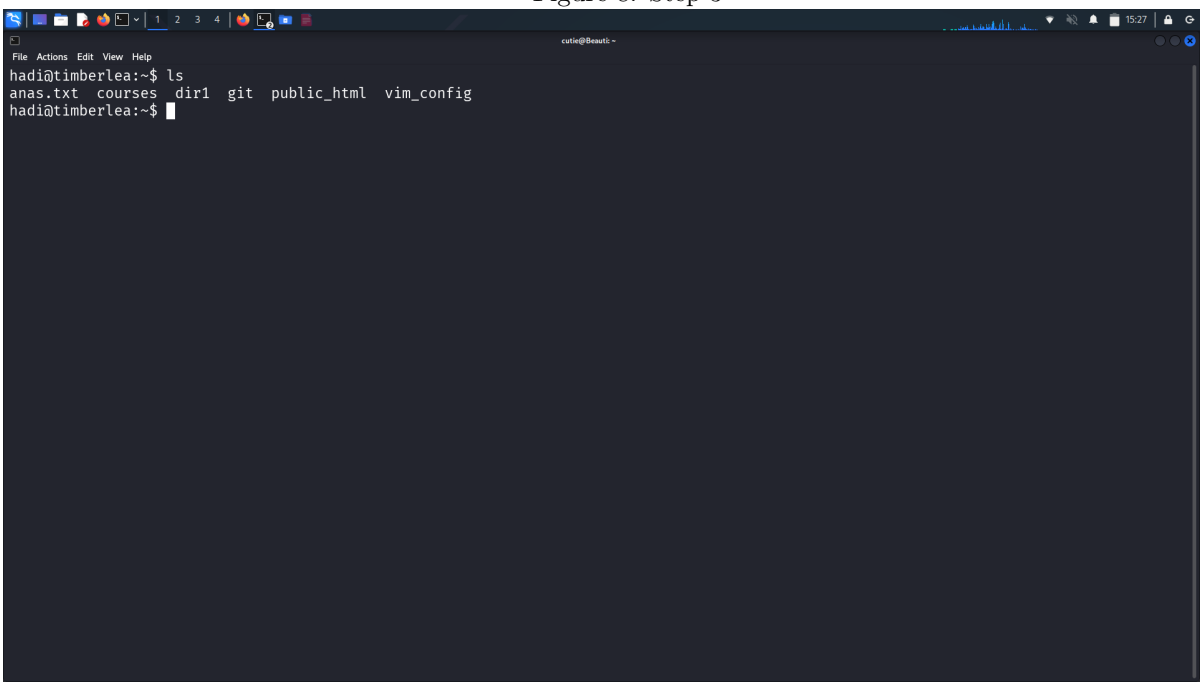


Figure 8: Step 3



3 Exercise 2.A

Figure 9: Step

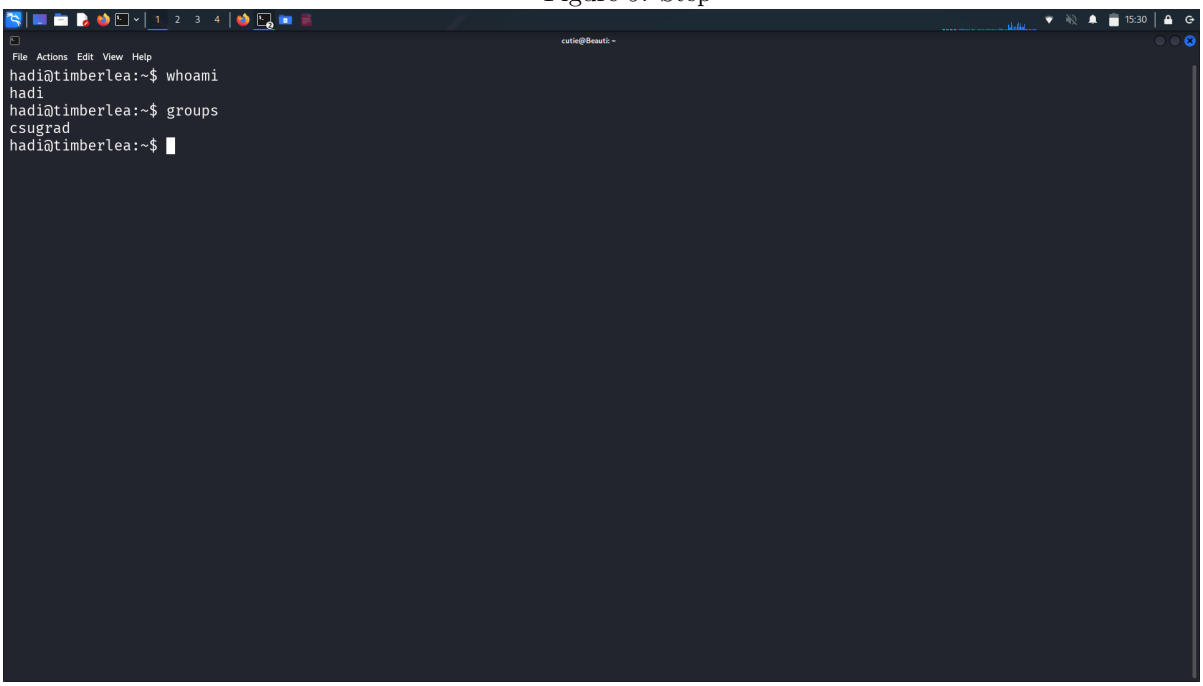
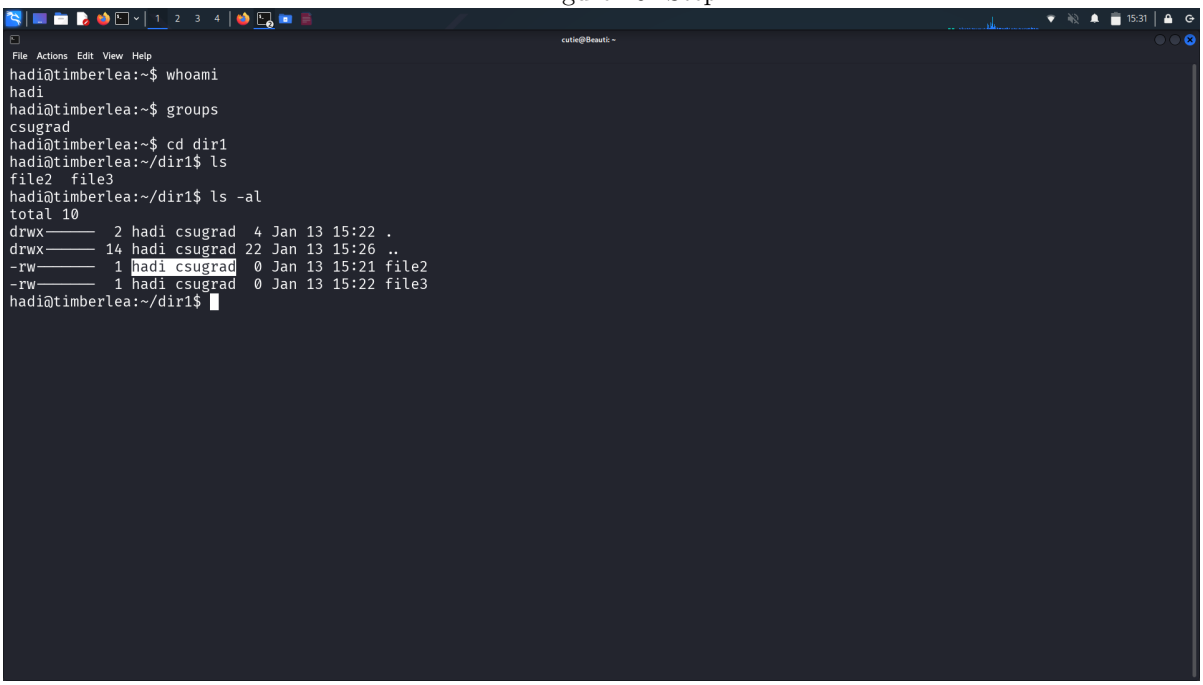


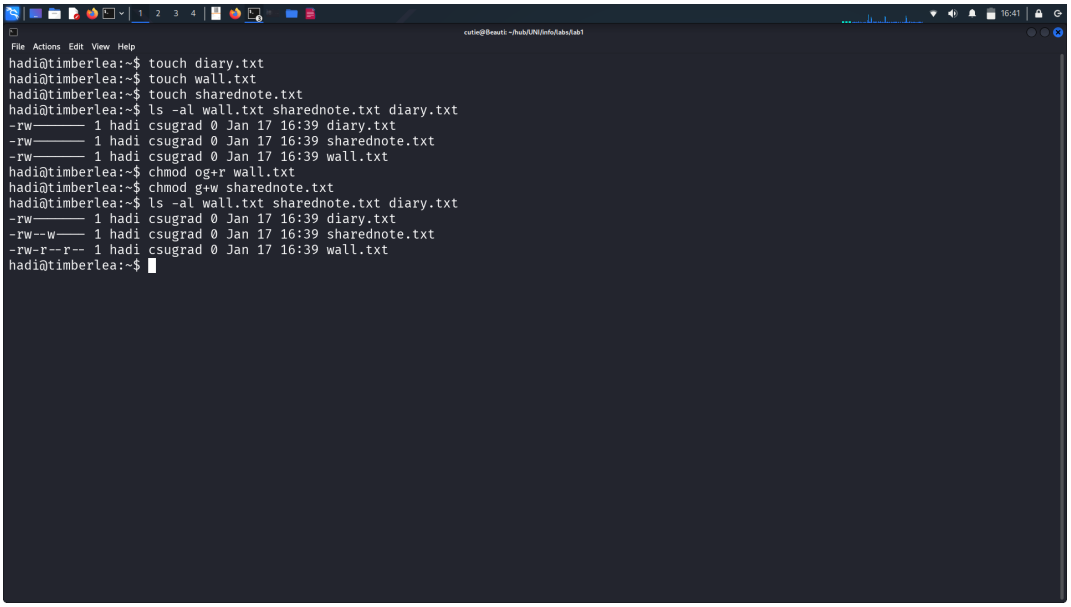
Figure 10: Step



the **whoami** and **groups** commands do not take file names as arguments and return an error. whoami does not expect any user argument and only returns the name of the effective userID. groups can take a username as an argument and return the groups that they are a part of.

To check for the group and owner of a file we can run ls -al <file_name>

4 Exercise 2.B

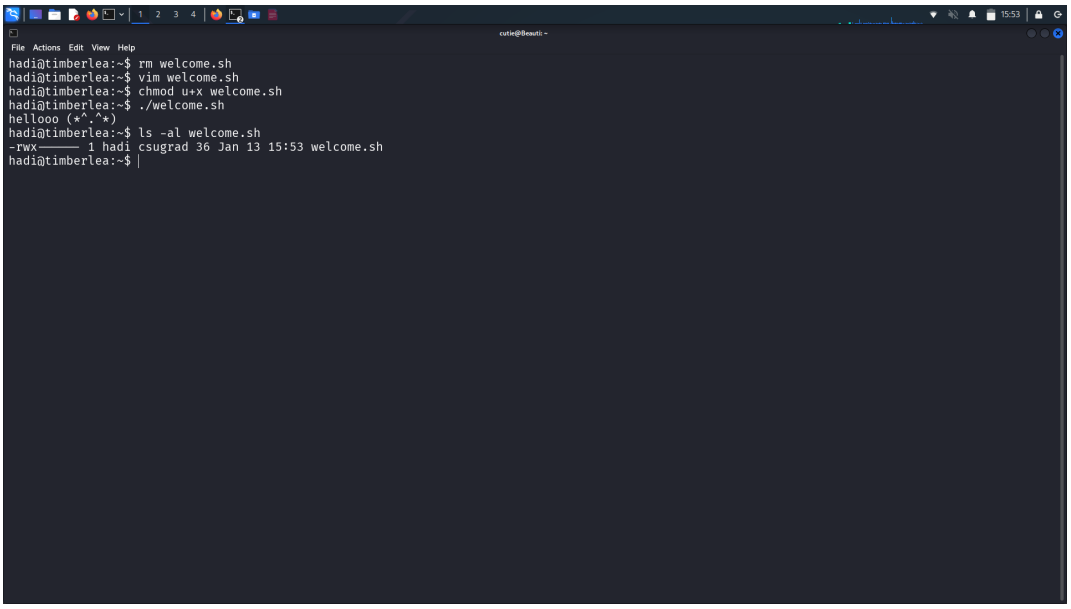


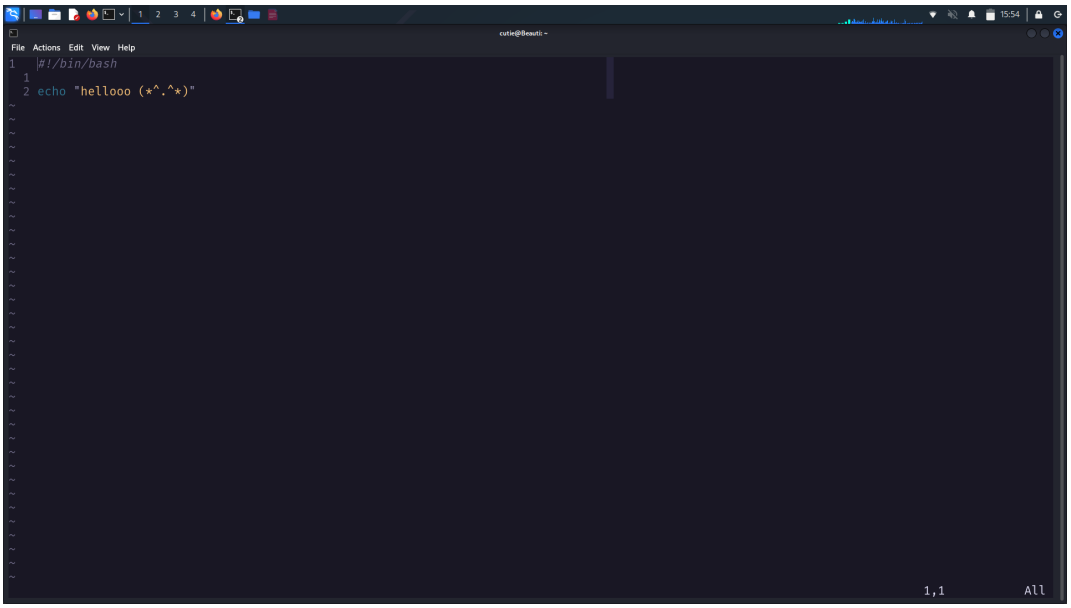
Explaination:

1. diary.txt: No changes to the permissions were required since only the user "hadi" (me) can read and write to the file
2. wall.txt: The command i used can be reduced to only **o+r** as that includes everyone but still, giving every user in the csugrad group and everyone else the permission to read.
3. sharednote.txt: The command **g+w** assigns writing permission to everyone in the group that the file is assigned to.

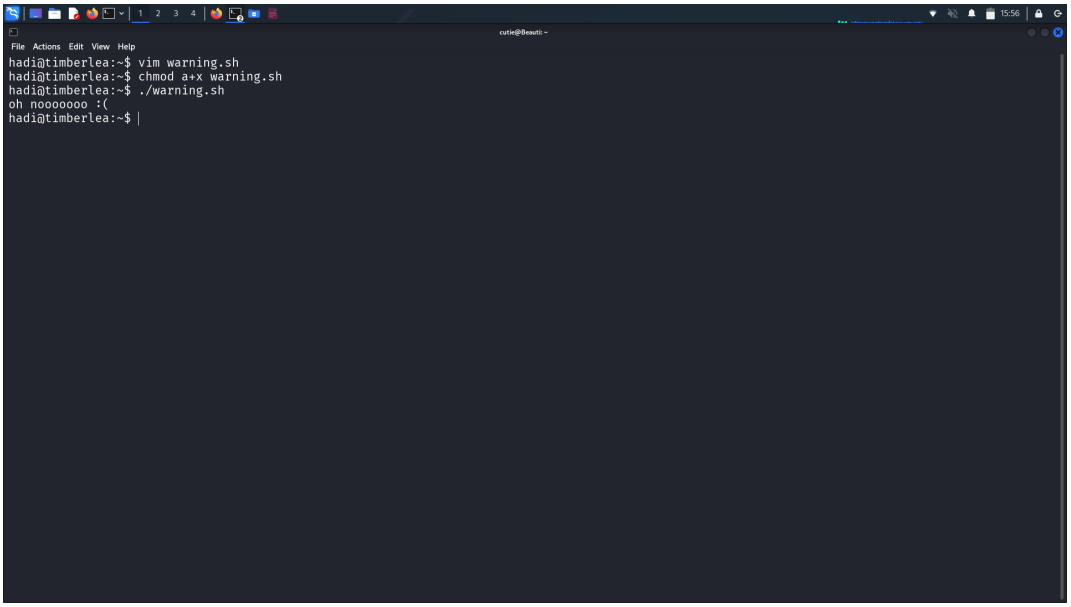
5 Exercise 3.A

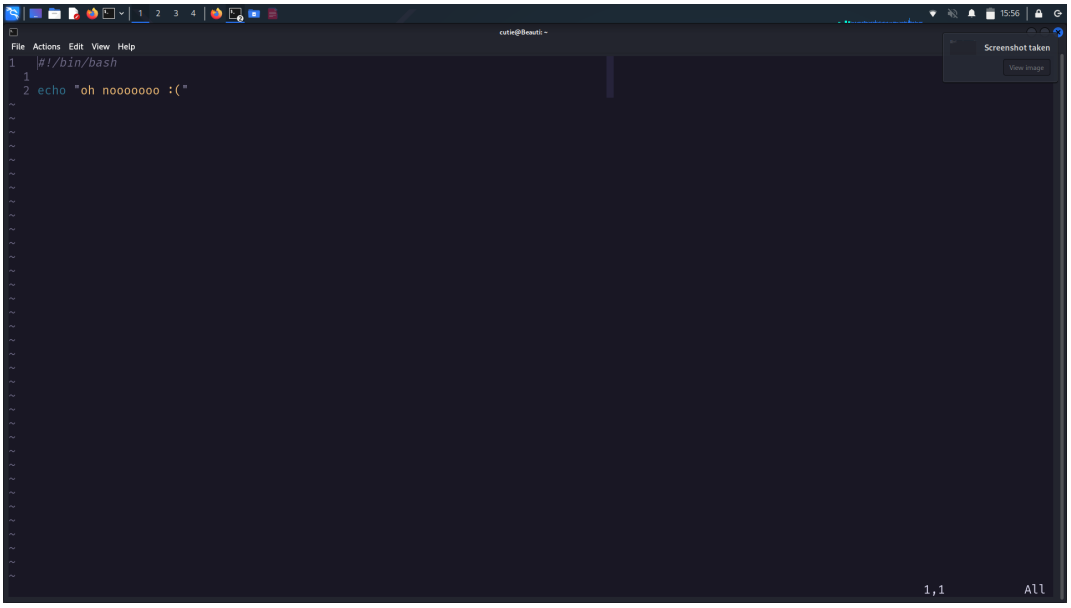
Welcome:



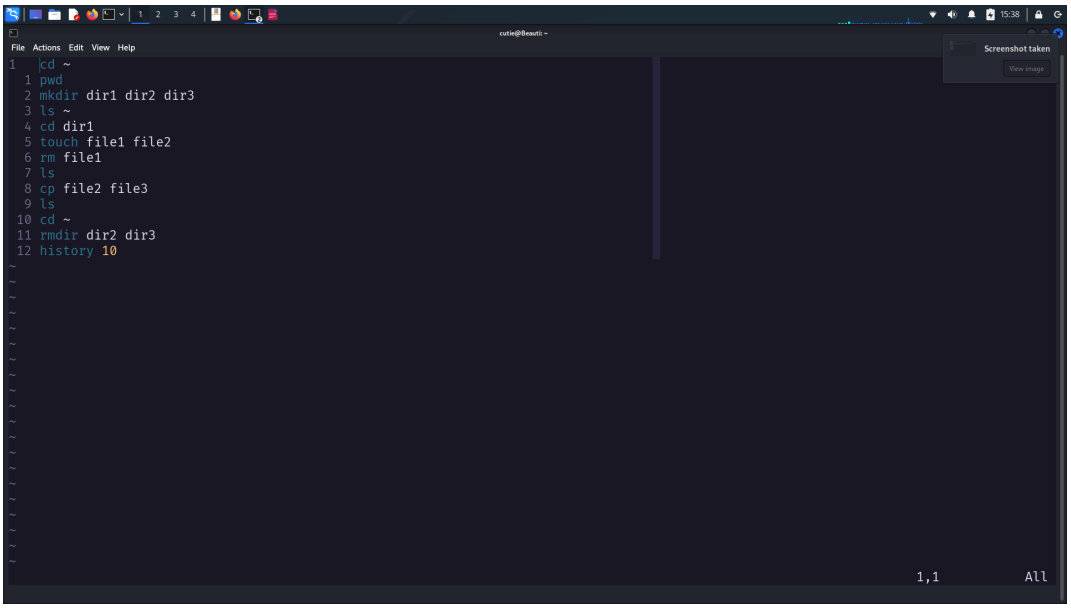


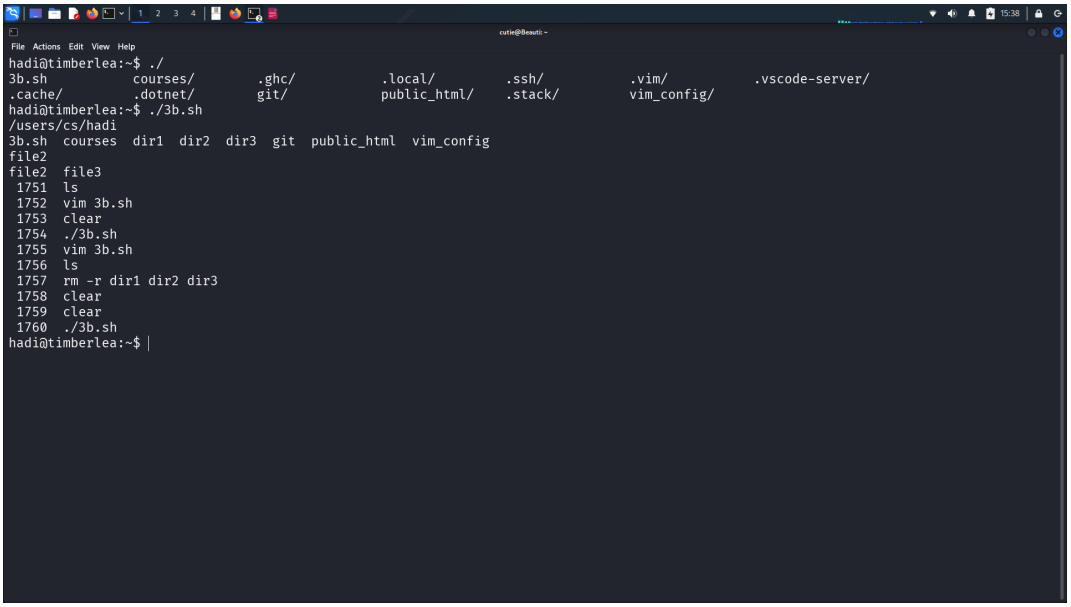
Warning:


File Actions Edit View Help
hadi@timberlea:~$ vim warning.sh
hadi@timberlea:~$ chmod a+x warning.sh
hadi@timberlea:~$ ./warning.sh
oh nooooooo :(
hadi@timberlea:~$


File Actions Edit View Help
#!/bin/bash
echo "oh nooooooo :("
Screenshot taken
1,1
All

6 Exercise 3.B





Were the outputs different:

No, the output was the same

Why/why not to write a script:

We want to write scripts for complex and repetitive tasks. So no, I probably would not write a script to run basic commands (such as ls, rm ...). Scripts are better suited for longer commands for example recompiling a C program with external dependancies which would look something like:

gcc -std=c18 (long list of .c) -I/(path to library)/include -o exec -(some more flags)

In this case you would write a Makefile (or a shell script)