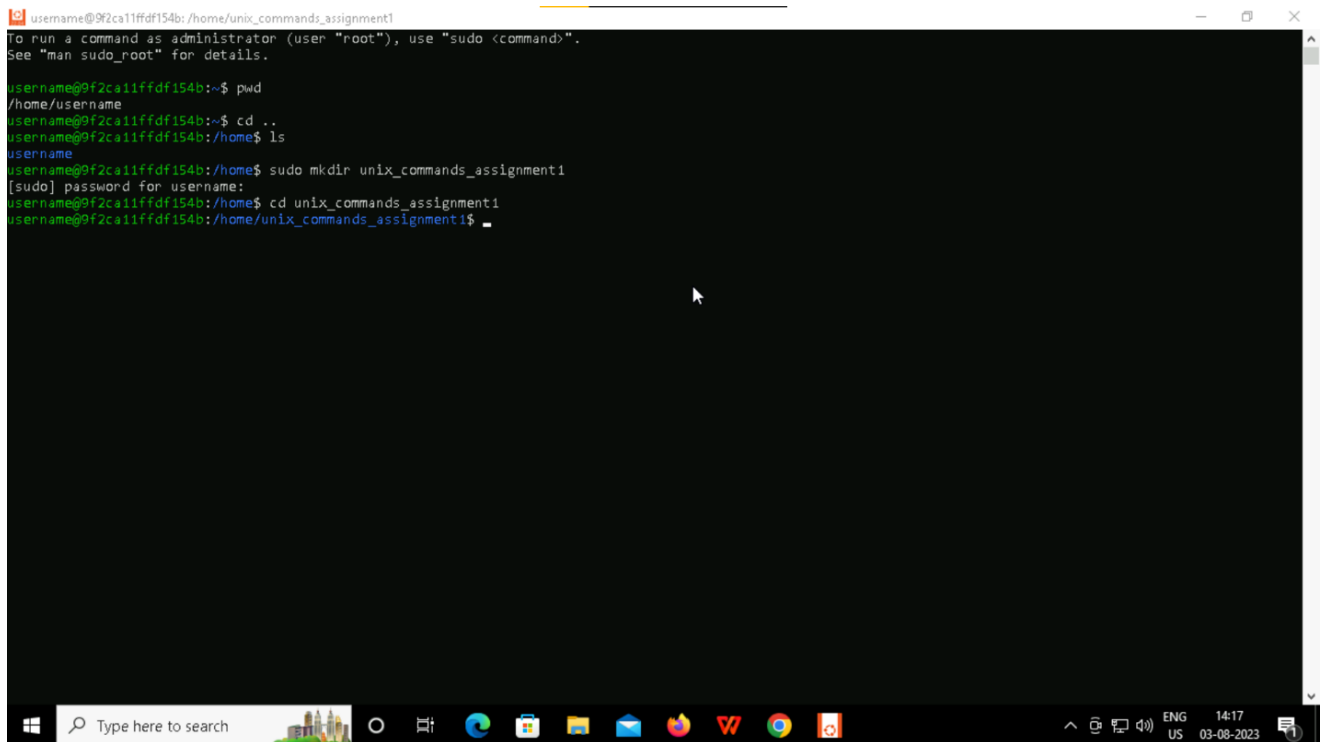


Unix Assignment

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Task1



```
username@9f2ca11ffdf154b: /home/unix_commands_assignment1
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

username@9f2ca11ffdf154b:~$ pwd
/home/username
username@9f2ca11ffdf154b:~$ cd ..
username@9f2ca11ffdf154b:/home$ ls
username
username@9f2ca11ffdf154b:/home$ sudo mkdir unix_commands_assignment1
[sudo] password for username:
username@9f2ca11ffdf154b:/home$ cd unix_commands_assignment1
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$
```

The screenshot shows a terminal window with a black background and green text. The window title is 'username@9f2ca11ffdf154b: /home/unix_commands_assignment1'. The terminal displays a series of commands and their outputs: 'pwd' returns '/home/username', 'cd ..' moves to the home directory, 'ls' lists the contents of the home directory (showing 'username'), 'sudo mkdir unix_commands_assignment1' creates a new directory (prompting for a password), and 'cd unix_commands_assignment1' changes to the newly created directory. The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons (Edge, File Explorer, Mail, Firefox, Word, Chrome, and the terminal itself). The system tray on the right shows the date and time as '14:17 03-08-2023'.

Task2

```
username@9f2ca11ffdf154b: /home/unix_commands_assignment1
username@9f2ca11ffdf154b:~$ pwd
/home/username
username@9f2ca11ffdf154b:~$ cd ..
username@9f2ca11ffdf154b:/home$ cd unix_commands_assignments
-bash: cd: unix_commands_assignments: No such file or directory
username@9f2ca11ffdf154b:/home$ cd unix_commands_assignment1
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ ls
file1.txt
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ cat file1.txt
Hello, Unix!
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ cp file1.txt file2.txt
cp: cannot create regular file 'file2.txt': Permission denied
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ sudo cp file1.txt file2.txt
[sudo] password for username:
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ cat file2.txt
Hello, Unix!
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$
```

Task3

```
username@9f2ca11ffdf154b: /home
username@9f2ca11ffdf154b:~$ pwd
/home/username
username@9f2ca11ffdf154b:~$ cd ..
username@9f2ca11ffdf154b:/home$ sudo touch sample.txt
[sudo] password for username:
username@9f2ca11ffdf154b:/home$ sudo chown username sample.txt
username@9f2ca11ffdf154b:/home$ cat sample.txt
Hello amdocs
username@9f2ca11ffdf154b:/home$ sudo touch sample2.txt
username@9f2ca11ffdf154b:/home$ vim sample2.txt
username@9f2ca11ffdf154b:/home$ chown username sample2.txt
chown: changing ownership of 'sample2.txt': Operation not permitted
username@9f2ca11ffdf154b:/home$ sudo chown username sample2.txt
username@9f2ca11ffdf154b:/home$ vim sample2.txt
username@9f2ca11ffdf154b:/home$ cat sample2.txt
Hitendra
Singh
Pal
Pune
India
Coding
Forest

username@9f2ca11ffdf154b:/home$ head -n 5 sample2.txt
Hitendra
Singh
Pal
Pune
India
username@9f2ca11ffdf154b:/home$ tail -n 5 sample2.txt
Pune
India
Coding
Forest

username@9f2ca11ffdf154b:/home$
```

Task4

```
username@9f2ca11ffdf154b: /home/unix_commands_assignment1
Coding
Forest

username@9f2ca11ffdf154b:/home$ head -n 5 sample2.txt
Hitendra
Singh
Pal
Pune
India
username@9f2ca11ffdf154b:/home$ tail -n 5 sample2.txt
Pune
India
Coding
Forest

username@9f2ca11ffdf154b:/home$ pwd
/home
username@9f2ca11ffdf154b:/home$ cd unix_commands_assignment1
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ sudo touch numbers.txt
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ chown username numbers.txt
chown: changing ownership of 'numbers.txt': Operation not permitted
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ sudo chown username numbers.txt
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ vim numbers.txt
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ grep 4 numbers.txt
grep: numbers.txt: No such file or directory
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ grep 4 numbers.txt
4
4
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ grep -v 5 numbers.txt
1
4
3
2
6
6
8
4

username@9f2ca11ffdf154b:/home/unix_commands_assignment1$
```

Task5

```
username@9f2ca11ffdf154b: /home
username@9f2ca11ffdf154b:~$ pwd
/home/username
username@9f2ca11ffdf154b:~$ cd ..
username@9f2ca11ffdf154b:/home$ cd unix_commands_assignment1
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ ls
file1.txt file2.txt numbers.txt
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ mv unix_commands_assignment1 username
mv: cannot stat 'unix_commands_assignment1': No such file or directory
username@9f2ca11ffdf154b:/home/unix_commands_assignment1$ cd ..
username@9f2ca11ffdf154b:/home$ mv unix_commands_assignment1 username
mv: cannot move 'unix_commands_assignment1' to 'username/unix_commands_assignment1': Permission denied
username@9f2ca11ffdf154b:/home$ sudo mv unix_commands_assignment1 username
[sudo] password for username:
username@9f2ca11ffdf154b:/home$ pwd
/home
username@9f2ca11ffdf154b:/home$ ls
sample.txt sample1.txt sample2.txt username
username@9f2ca11ffdf154b:/home$ sudo rm unix_commands_assignment1
rm: cannot remove 'unix_commands_assignment1': No such file or directory
username@9f2ca11ffdf154b:/home$
```

Summary:

Overall experience was great. Got an opportunity to learn a lot about unix architecture and commands. Looking forward to learn more in incoming classes.