Question no.1

Go to the textbook and go through "What is This Unix Stuff?"

Answer the following question:

- Name the three multi-concept that are at the heart of Unix's power. Explain each multi concepts.
 - a) Multiuser system: Unix can be used by several people at the same it. It is a larger operating system. It also helps multiple users to run multiple jobs and a single user to run multiple jobs.
 - b) Multitasking: Unix users can run multiple programs at the same time. The kernel is designed to handle users' multiple needs such as printing, editing, and sending mail at the same time. Even though on the front screen it seems like one task is performed, in the background, multiple tasks will perform at the same time. Users can also terminate or cancel the task at any time.
 - c) Simplicity: Unix language can easily be understood because it is spoken language. It is built with simple, clear, and extensible code that can be easily modified and maintained. A Unix user can write a new version of a command to solve different problems.

- Systems that support multiple users always ask you to say who you are when you begin using the system. What's the most important thing to remember when you're finished using the system?
 - → The goal of a multiuser system is to make all users feel they have their personal computers even though they are in a large system. When you are working in a system, it needs to know who you are. Unix is designed for multiuser, so the system needs to conform to the identity of the user so that the stop and protects the file from others who try to be like you, prying into your files, private letters, and altering memos. As a result, Unix has an associated password for all the accounts.

The important thing to remember is to exit the session, or, in effect turn off our virtual personal computer after we are done to protect our files.

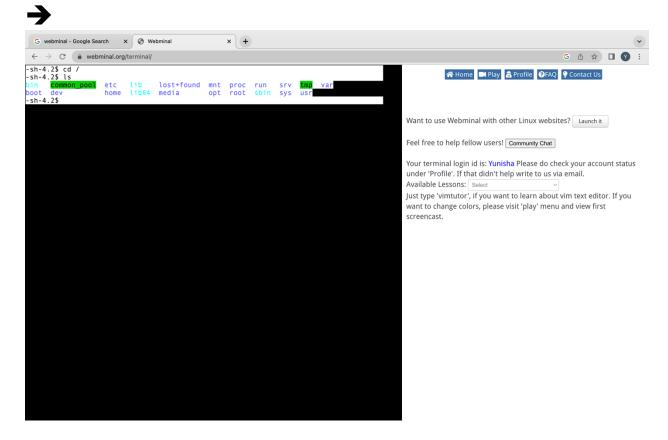
Question no.2

Using webminal, please type this in the command line: cd / ls

Tell me what directories exist at this level. Do you see these directories?

sbin

- bin
- proc
- usr
- home
- var
- dev
- tmp

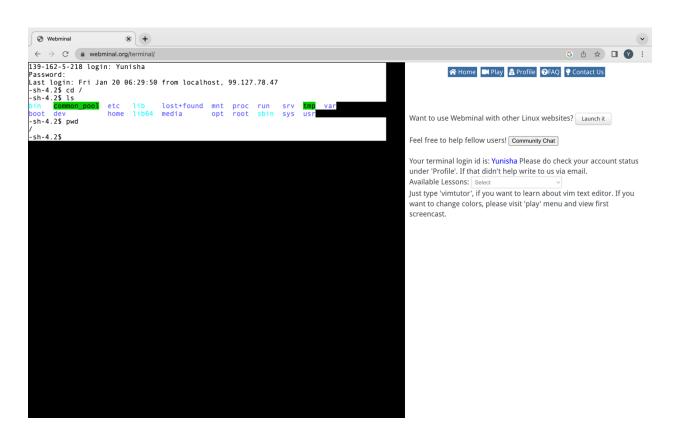


The command cd / is used to change the directory to the root directory. Root directories are the first directory in our file system. And in directories that exist at the movement were bin, proc, usr, tmp, dev, var, home, and sbin.

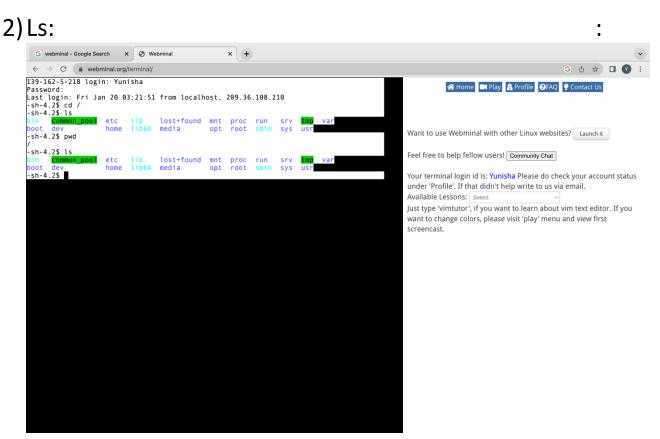
Question no. 3

Using any terminal, type the following commands and let me know what is returned.

1) pwd:

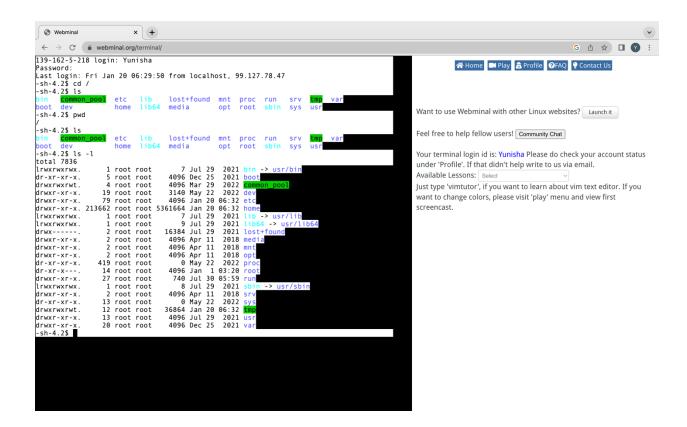


pwd stands out for print working directory which prints the path of the working directory. Thus, I was working in the root directory.



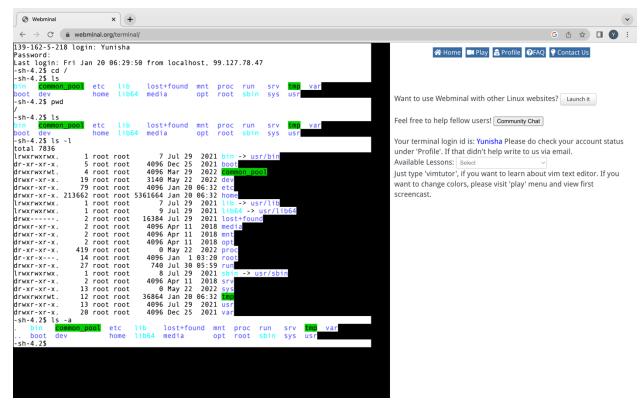
Its function is to list the directory contents of files and directories.

3) Ls -l



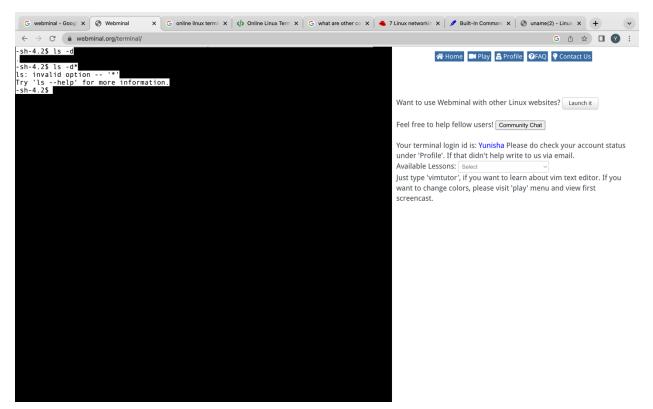
It shows a long listing of information about the file/directory.

4) Is -a



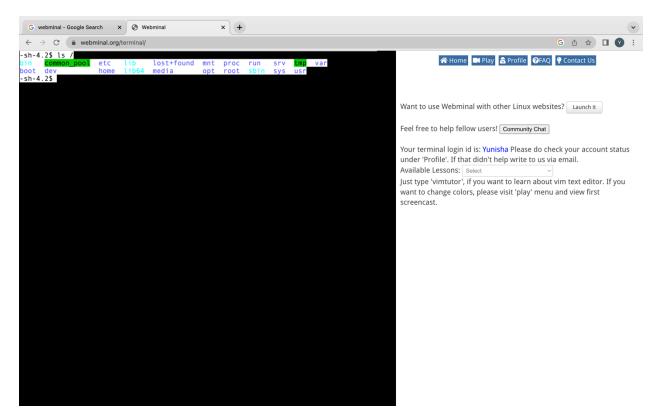
It shows all the hidden files in the directory where hidden files start with '.' in the file. Where '.' shows the current directory and '..' show the parent directory.

5) ls -d*:



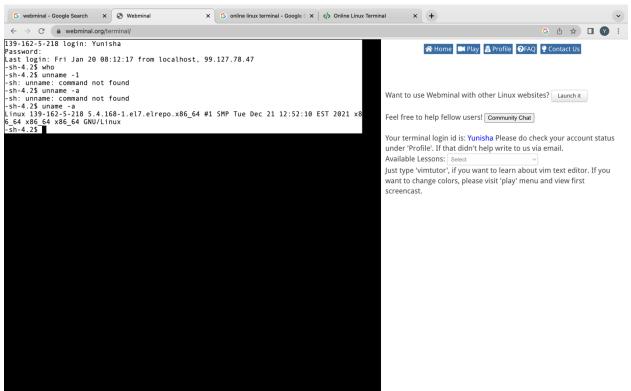
Ls -d* shows the list of files or directories.

6) Ls /



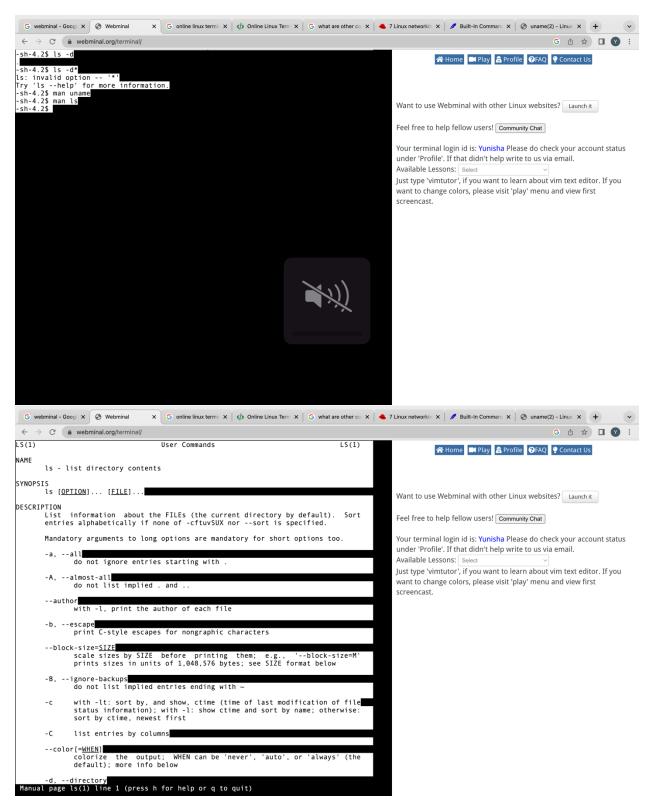
It lists the contents of the root directory.

7) unname -a



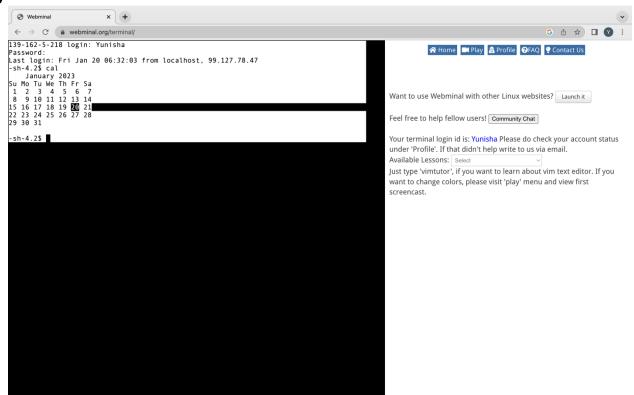
It displays all the information, except for omit -p and -i.

8) Man uname. Try another command other than unname



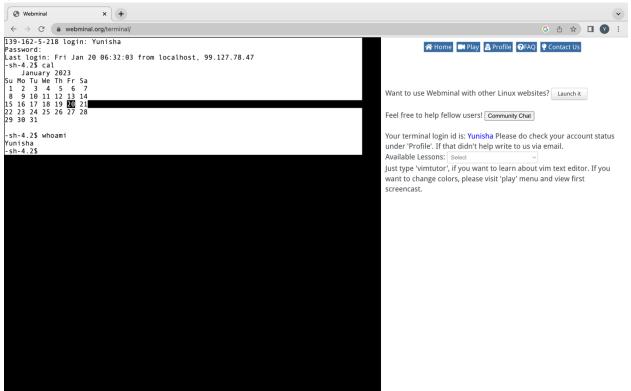
It is used to display the user manual of any command. The above manual is of ls. The manual gives the information which includes Name, Description, Options, Exit status, Return values, errors, and Files.

9) Cal:



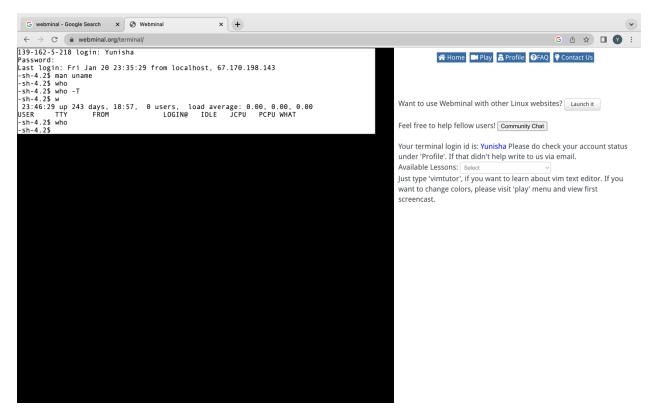
Cal is a calendar command which is used to see a specific month or a whole year. It shows the current month calendar which you give the command without any option.

10) whoami



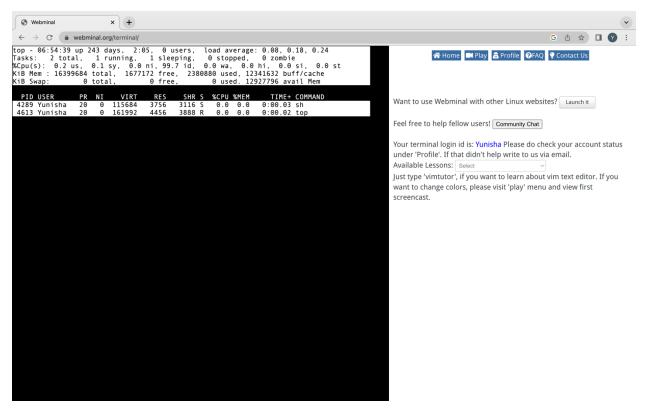
It helps us to see the currently logged-in user. It gives the username of the current shell as the output.

11) Who



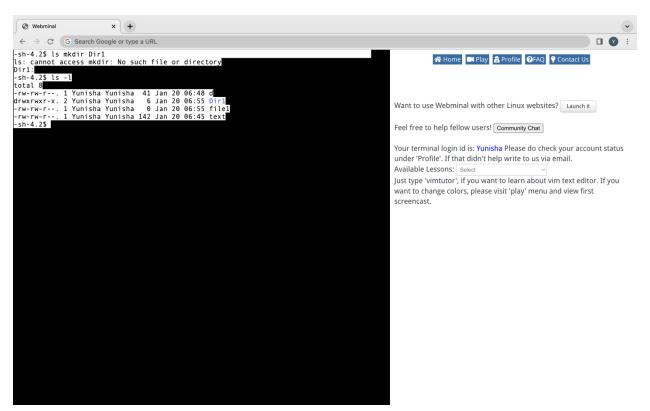
Who commands display the information of each user login name, terminal line, long time of the user in the system, and remote hostname of the user. I found from the resource if the who is not working it is because of the defunct state.

12) top



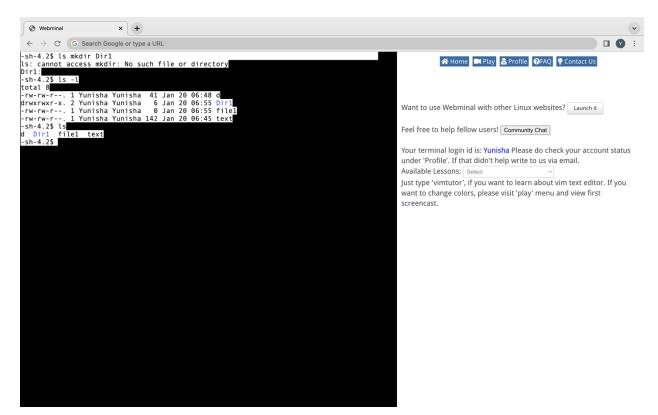
The summary information about the system as well as the current working shell's list of processes or threads is displayed by this command. The process and resource usage statistics are in the upper part, and a list of currently running processes is in the lower part.

13) mkdir Dir1



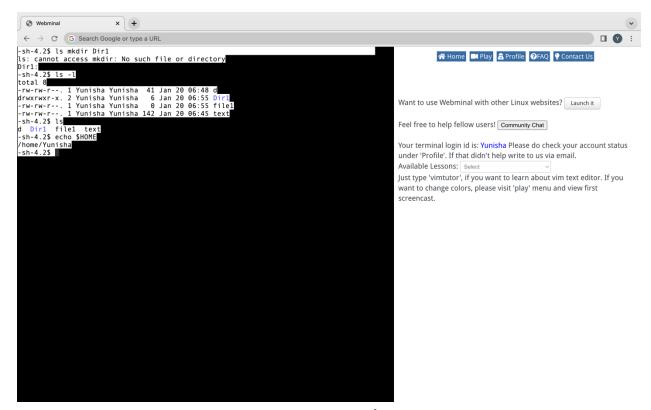
It allows creating the directories. It can also create many directories at once and be able to set the permission for the directories.

14) touch file1



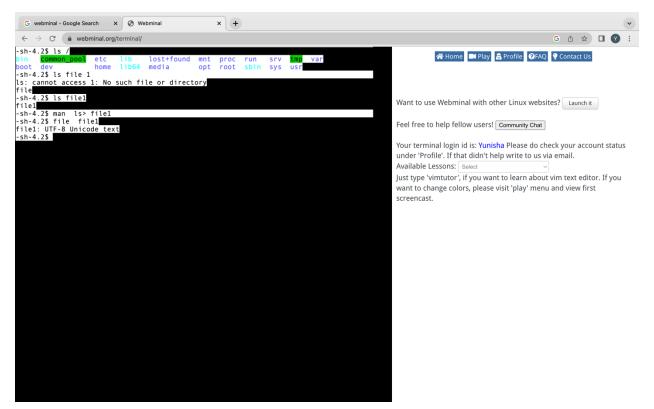
It is used to create, change, and modify the file.

15) echo \$HOME:

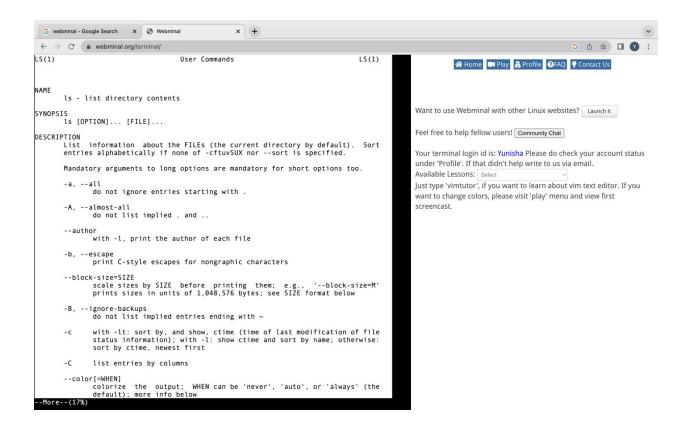


It is used to display a line of text/string that is passed as an argument.

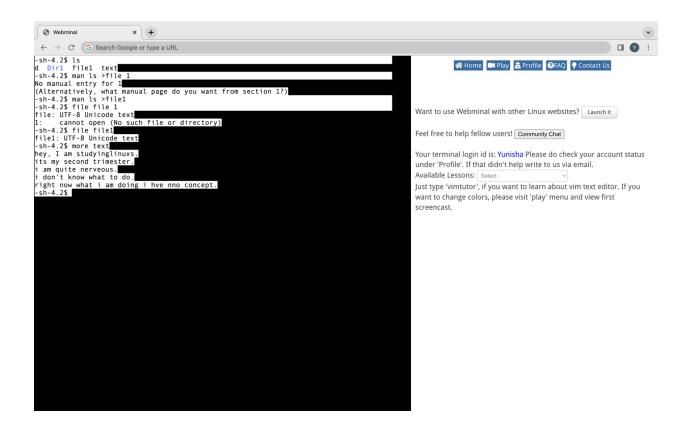
16) man ls > file 1; Does file 1 exist now? If so, what is in file 1?



man Is help to list out the manual of the command. > is the output redirection operator used for overwriting files that exist in the directory. File 1 is a Unicode text. Yes, the file exists. This is there in file 1 as shown below.

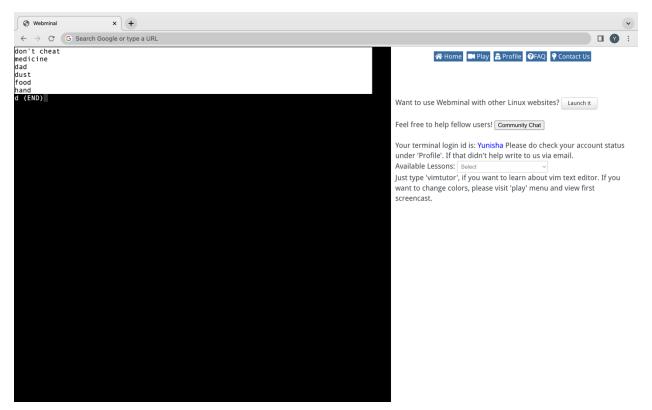


17) More <any file> -- You have you use an existing file.



It is used to view the text files in the command prompt, displaying one screen at a time if the file is large. It allow UNIX user to scroll up and down.

18) Less <any file> -- you have to use an existing file.



It shows a file's contents one screen at a time. It useful in handling large files.