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Assignment 1:

1. If we are in the directory X and we are running rmdir X being in that directory X. Will this command successfully removes the directory or not.

*Answer: No it will not because we are in that directory.*

1. What are daemons?

*Answer: type of program that runs unobtrusively in the background*

1. What are the different modes when using VI editor?

*Answer: r,w,x*

1. What is a grep command?

*Answer:* *searches the file for a pattern*

1. What are the contents of /usr/local?

*Answer:  locally installed software*

1. How cd ~, cd / and cd - are different from each other?

*Answer: cd~ Brings you to your home directory.*

*cd/ It takes you to the entire system's root directory.  
cd- Brings you to your previous directory of the current directory.*

1. Which command is used to display the path of the current working directory?

*Answer: pwd*

1. What is the command to run a program with elevated permissions?

*Answer: sudo*

1. How to switch to superuser (root) with elevated permissions?

*Answer: sudo su*

1. Which command to switch to the root user?

*Answer: su*

1. Which command is used to switch from superuser to normal user?

*Answer: exit*

1. Which command is used to clear the terminal?

*Answer: CTRL + L*

1. Which command is used to create multiple directories simultaneously?

*Answer: mkdir*

1. Which command is used to move to parent directory?

*Answer: cd ..*

1. Which command is used to clear the terminal?

*Answer: CTRL + L*

1. Which command is used to create multiple directories simultaneously?

*Answer: mkdir*

1. Which command is used to move to parent directory?

*Answer: cd ..*

1. Which command is used to display the contents of subdirectories?

*Answer: ls -R*

1. Which command is used to display the list of content in reverse order?

*Answer: ls -r*

1. Which command is used to display the contents of the parent directory?

*Answer: ls ../*

1. How to remove directory along with subdirectories?

*Answer: rm -r dir*

1. How to move multiple files of the same extension to a different directory?

*Answer: To move multiple files using the mv command pass the names of the files or a pattern followed by the destination.*

1. Which command is used to list the name of files starting from any particular alphabet or string?

*Answer: ls (alphabet)\**

24. How to move multiple files of the same extension to a different directory?

*Answer: To move multiple files using the mv command pass the names of the files or a pattern followed by the destination.*

25. What command is used to change the ownership of a file?

*Answer: chown*

26. How to delete a directory forcefully?

*Answer: rm -rf dir*

27. How to forcefully stop a process which is running in the background?

*Answer: kill*

28. Which command is used to display the current username?

*Answer: whoami command*

29. How to determine the type of a file?

*Answer: file command*

30. Which command is used to create a new empty file?

*Answer: touch command*

31. Which command is used to display all the file names along with their types of the current directory?

*Answer: ls command*

32. Which command is used to display all the file names along with their types of different directory?

Answer: ls /different directory name

33. How to delete a directory recursively i.e. it asks before the deletion on subdirectories?

*Answer: rm command*

34. Which command shows the users that are logged in?

*Answer: w command*

35. Which command is used to rename the file?

*Answer: mv filename1.ext filename2.ext*

36. What is the difference between mv and rename?

*Answer: rename cannot move files to another directory or drive, move can.**Rename cannot overwrite existing files.*

37. Which command is used to change the permissions of a file?

*Answer: chmod*

38. What command is used to show how long it's been since the server was rebooted?

*Answer: last reboot*

39. What command is used to get the IP addresses of all interfaces on a server?

*Answer: ifconfig command*

QUESTIONS

40. What command is used to change your password?

*Answer: passwd*

41. What command is used to check whether manual page exists or not ? Also where it exists?

*Answer: man command*

**42. How these commands would be working try and explain (files contain “hello” word) :**

**- grep -v -i hello file1.txt**

**- grep -i hello file2.txt**

**- grep -A 2 hello file2.txt**

**- grep -C 4 hello file1.txt**

**- grep -B 3 hello file1.txt**

**- ps -ef | more**

**- awk '{print $2,$5;}' employee.txt**

43. Practice the following commands: shutdown diff sort ps kill mount nano

44. How to find where a file is located in Linux?

*Answer: using locate command*

45. What does echo command do?

*Answer: echo is one of the most commonly and widely used built-in command for Linux bash and C shells, that typically used in scripting language and batch files to display a line of text/string on standard output or a file. Eg.*