OPERATING SYSTEM LAB ASSIGNMENT: 2

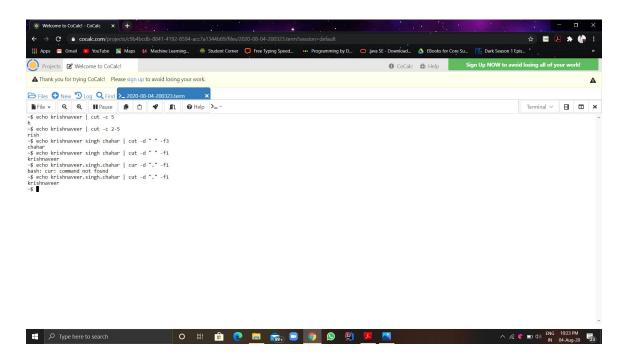
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Section: B

Roll No.: 45(191500410)

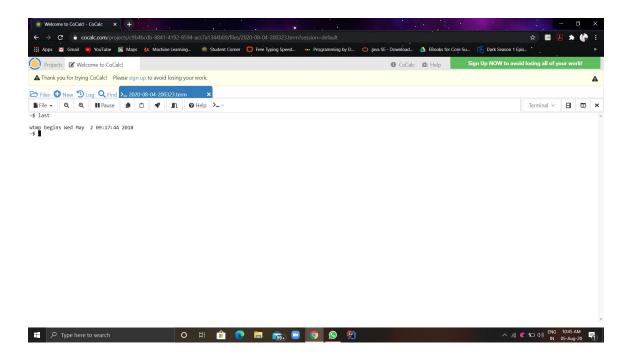
cut: cutcommand is used to show a word or an attribute from a large output. It can display theonly word or attribute we wantfrom an output. It is always used with pipe commandas it works only on output of previously executed command.

Syntax: cut option.. [file]...



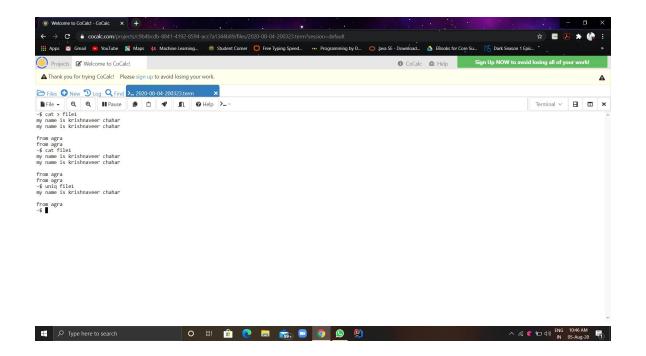
last:last command is usedto displaythelist of all the users logged in and out since thefile session was created. One or more usernames can be given as an argument to display their login in (and out)time and theirhost-name.

Syntax: last option



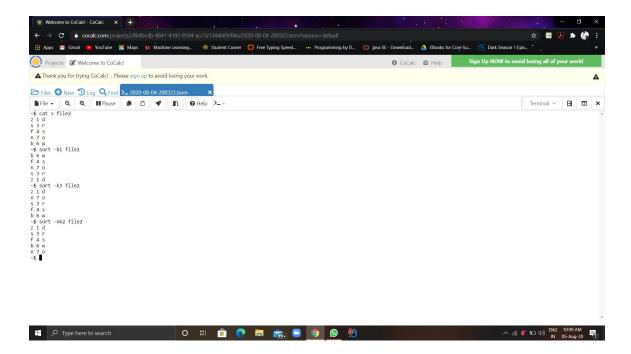
uniq:uniq command is used to view unique lines of a file. If a file contains similar line then withthe help of unique command we canshow only those line which are unique.

Syntax: uniq[file Name]



sort:sort command is used to sort content of a file. We can sort content of file on column basis as one column have names and other have marks another have marks so we can sort this data in accordance of any columnwe want. In -nk condition n is used in condition when we want to sort file according to number.

Syntax: sort -nk[column NO][file Name]



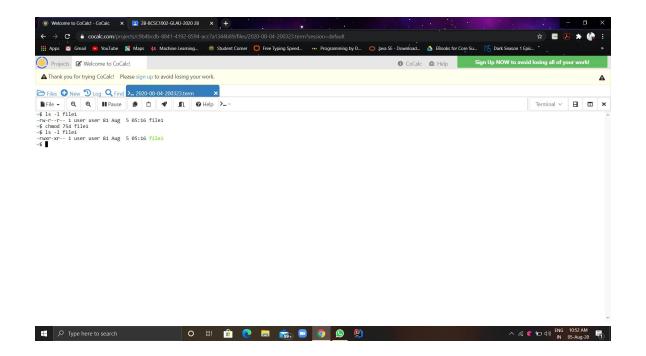
chmod:chmod command is used to change the working mode of a file. To decide read, write and execution criteria of a file for userand public.

Syntax: chmod [user group public][fileName]

Read=4

Write=2

Execution=1



If we had to give all three permission to user write and execution to groupand only execution to public so weuse: chmod 731 fileName.

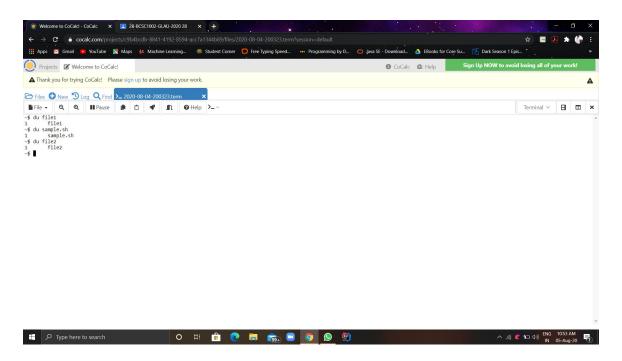
7= 4(read)+2(write)+1(execution)

3= 2(write)+1(exection)

1 =1(execution)

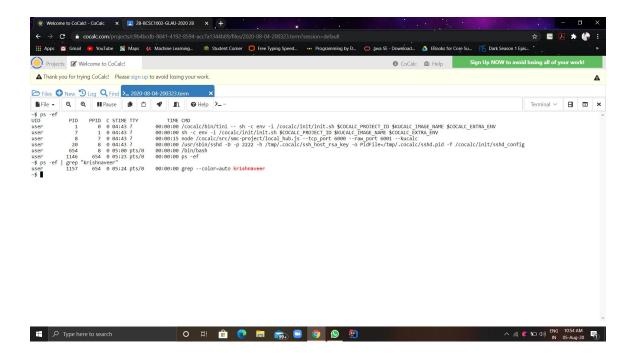
du:du stands fordisc usage. It is used to see size of a file, directoryand itssubdirectoryon disk.

Syntax: du[fileName]



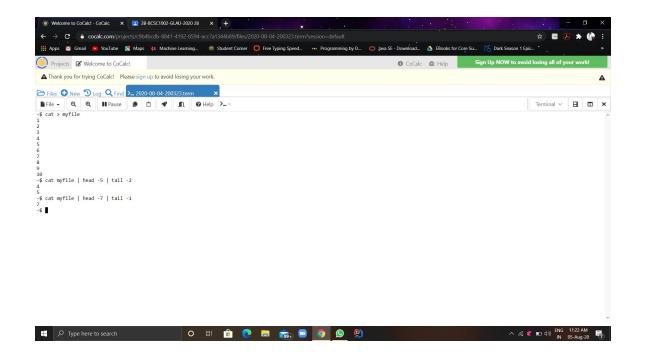
grep:grep command is used to highlight a particular thing in a file or output. It is used with pipe command as it work on output of previous command.

Syntax: [any command]grep | grep "Thing to be highlighted"



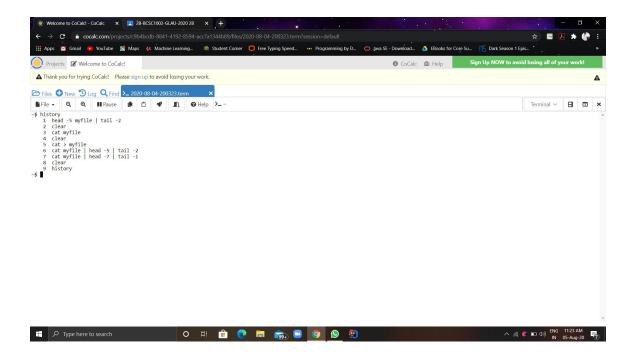
pipe:pipe command "|"is used toexecute several commandat once each command is run on the output of successive output of previous commands. There can be any number of command with pipe separation.

Syntax:first command | second command



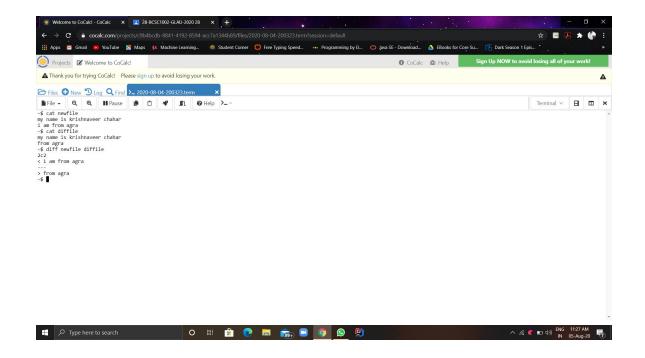
history:history isused to see all previous command of the log history -c is used to clear history.

Syntax: history



diff:diff command is used to compare line by line or to find difference between two files.

Syntax: diff [filename][another filename]



sed:sed command is used for substitutefind or replace.

Syntax: sed Option..Script..[file]

Question1) Total no of users connected to system currently. Answer1)By who command we can check how many Systemare currently connected toour system.

Question2) Display only current local time of system. Answer2)By "date | cut -d""-f4"command we can view only currenttime of system.

Question3) Arranging the files of directory on ascending order of their sizes.

Answer3)Byusing du[file]| sort-nk1-r

Question4) Display 5th character of your name.

Answer4)By "echo Hemant" | cut -c5"command we can view5thcharacter of our name.

Question5) Display 7th line of a file.

Answer5)By "cat file | head-7 | tail -1"we can view 7thline of a file.

Question6) Sort a file on second column basis.

Answer6)By "sort -k2 file" wecan sort file on thebasis of 2ndcolumn.