Linux tutorial

ASP 2024 Pr. M. JEDRA

Practical work1

1- open a session

2- show the system date

3- display users logged into the system

4- find the day you were born

5- display all information about the `echo` command

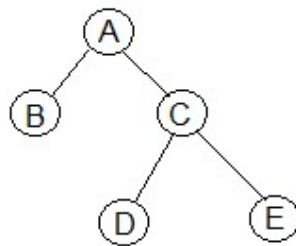6- run the follwing command-lines:

```
$echo Hello World
$echo "Hello World"
$echo Hello; echo World
```

7- clear the screen

8- logout

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Practical work2

1- display the content of your directory

2- display the detailed content of your directory

3- show the content of /Home

4- show the contents of /etc, /bin, /lib and /dev
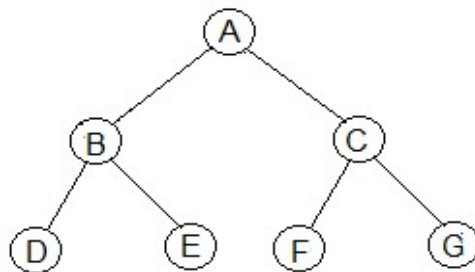
5- create the following directory tree

6- change current directory with C directory

7- show the content of E directory

8- print working directory

9- return to your home directory

10- display the directory tree

11- remove the directory tree

Practical work3

1- create three empty files F1, F2 and F3 in your directory

2- create the following directory tree

3- copy F1 in the A and give it the name Fa3

4- enter in the A and rename Fa3 with the new name Fa4

6- give Fa4 a link with the name Fa5 in the C directory

7- show inodes of the Fa4 and Fa5 files

8- copy the Fa4 file in your home directory using its link in the
   C directory

9- remove Fa4 from the A directory

10- delete C root directory tree

11- find and remove all empty files from A root directory tree

12- destroy with one command-line D and E directories

Practical work4

1- create empty files F1, F2,F3, F21, F22, F30, F31, F40 and Fend in your directory

2- create a directory named Catalog

3- move those files to Catalog with one command-line

4- enter in Catalog

5- using the ls command what do the following patterns show?

F3*,   F[0-9],   F[0-9]*,   F[!0-9], F2[0-9], F??

6- remove all files whose number is greater than 20

7- destroy the Catalog directory

Practical work5

1- create with echo a file named Fruits with ten lines. Each line contains the name of a fruit.

2- display the first 3 lines of Fruits

3- display the last 5 lines of Fruits

4- display all lines of Fruits

5- add the phrase « fruits available today » to Fruits

6- store the date in another D file

7- join Fruits and D in one G file

8- display the content of G file

9- store the number of lines of G in another file H

10- display all lines of G in alphabetical order

Practical work6

1- show the sentence " What a wonderful world " without spaces

2- display the first 3 columns the output of the `ls -l` command

3- display the contents of the Fruits file in capital letters

4- display files in your directory whose name ends with .c

5- store all home directories sorted alphabetically in new H

6- from the file H create a file H containing the directories whose
   name begins with the character a

7- find the files in your home directory modified 20 days ago

8- count files in your home directory

9- count directories in your home directory

10- count hidden files in your home directory

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Practical work7

1- launch a new shell

2- check if it is running

3- kill this shell

4- display the name files in your directory whose name ends with .c

5- launch a new shell in background

6- kill this shell

7- store the result of the `ls -l` command in an F file after one minute and check if this file exists before one minute passes

8- display the date and launch the following batch after 3 mn:

    who >G

    echo "users connected" >>G

    date>>G

Check if the G file exists before 3 minutes pass

9- eliminate the G file read permission for all and try to display its content.

10- eliminate the G file write permission for all and try to add "Hello World" to G file