EX . No : 01

Date: 9.1.23 OSS: OPEN SOURCE SYSTEMS

Introduction

1. Define OS8?

ass - open source system

open source software is a code that is designed to be publicly accessible - anyone can see, modify and distribute the code as they see tit open source software is developed in a decentralized and collaborative way, relying on peer review and community production. tell ading manag

2. List of some ass:

anu Linux

Mozilla tire for

VII Media player Sugar CRM

CLIMP

VNC

Apache web server

Libre office

3. Types of Linux Os:

Android

Arch Linux

contos

Debein

Elementary os

Fedora Linux

elst ribula

Crentoo Linux

BASIC LINUX COMMANDS: Syntan: bud Description ! pwd -> prine working Directory This command is used to check the consum tiles. output: I home I student 2. Syntan: 19 Description: list the directories and files output: a idi oslabitat a b id2 oss.tnt 3. Syntax: 18-1 Description: list the directories and files in long format. output : - Tw - rw - r - 1 student student 16 Feb & 04:38 0 total 800 - TW-TW-Y -- 1 Student Student 12 Feb 6 09:31 b - rw-rw-r- 1 student student 38 feb 6 09:14 Byntax: clear Description: This command is used to clear the terminal. / Syntax: Mkolir directory name Description: This command is used to make the directory. Enample: 2 Juntamary Mkdir file.

CHARLE CONTROL

```
b. Syntan :
     imdir directory
  Description
      This command is used to remove a
   directory.
   Example
    rmdir file
1. Syntan:
      ed directory name
  Description:
      used to change the directory
  output & Example
       220 bs
       I home student lose
  Syntan: Lat & file name
8.
  posemption: used to create a tile
  Example: cat > a. the
  symax: cot file name
  Description: Displays the content of the fice
   Enample: cat a. +xt
   output !
       Hey
                     10,000 X45 - 20 XX
       Hai
       Hello
  Syntax: cot filename 1 > filename 2
  Description: overwritten the content of
  filoname , to filoname 2
  Enample
      cat a. +xt > b. +xt
```

cat b. tht

```
Hey
       Hai
       Hello
11. Syntan:
         cat ficename 1 >> ficename 2
   Description :
        Appends the content of filenames to
   file name 2 .
   Example: cat a.tht >> b. tht
    output : Hey " we spread on how
             Hai
             Hello
              Hey
              Hai
              Hello shace and a series
12. Syntan: With a stage of hear manageries
      up tile name directory name
   Description:
       used to way the fice of directory
   Example
        cp. a. trit ous
 13. Syntax :
       ce firenames firenames
   Description :
        copies the content of one file to another
               and a sunne asset the same and and
   Example
       up c. that d. that
```

terid in

output :

14. Syntax: We ficename percription. Displays the no. of words, lines, characters in the fire Example '. We a . txt output: 8 3 10 ant nt 15. Syntan: Wc-L-five name Description: Displays no. of lines in the file output: 8 a.tm 16. Syntax: WC - w - fire name Description: Displays no . 56 words in the tile output : B a. tout 17. Ayntax: we-m filename Description: Displays no . To character in the file output: 10 a. thi 18. dyntax: cal Doscription: Displays the calendar of current month. syntan cal year 19. Description: Displays the calender of specified year Enample: cal 2023 20. Syntan: cal month year specified month Description: Displays whender of 2 year Example: cal 8 2023

Description: Displays system date and time output: Monday of refruery 2023

Description: Displays first to lines of the file

Example: head attnot

Dutput: Itey

Hollo

23. Syntan: tail trienome

Description: Displays but to lines of the file

Enample: toil q. tht

output: Hey Hai Hello

4. Syntan: head -no of lines tile rame Description: Displays the no of lines specified from the first of the file.

Example: head-1 a. +xt

out put: Hey

25. Syntax: tail - no. of lines file name

Description: Displays the no. of lines specified

trom the last of the tile.

Example: tail -1 a.th

output: Hello

26. Syntax: mv c. tent d. tat Description: move the worte me to one file to another file. Enample: mv citra ditra at. Syntax: im filename Description: used to semove the file Enample: rm c.th 28) Syntan: 18 >> Hename Description: output of one tile is appended to the another file. Example: 18 22 a. txt 29 Syntax: filename 1 > filename 2 Description; output of one file is redirected to another tile Enample: We a that > c . that 30. syntax: cont tilename 1 operation Description: output of first command will be the input Description: output of first command.

Frample: cat c. trul we output: 3 3 10 31. Syntax: cat tilename | operation | operation Description: Kultiple pipe wornmands can be used. Enample: cat a. +nt | tail - 5 | we state of the court of sugar 32. Syntax: sort ficename Description: sorts the content of the the Enample: sort a thi output: Hello Hey H

Description: Displays the contents is reversed oreder after sorting

Output: HI Hello

Enample: sort -r atut

24. Syntax: Chmod (read, write, execute) tilename Description: changes the mode Hor wers , groups

pead -) Add 4

write -) Add 2

enecute -) Add 1

- Tw - Tw - T - - => 664

Example: Chmod 176 a. +xt

output: \_rw x rw xrw-1 student student

16 Feb 6 09:3& a chmod 440 a.tht

0/P: \_r \_- r \_- -- 1 student student

16 Feb 6 09:38 a

Description: used to change the ownership

Example: Chown exam a trit

output: operation not permitted

Description: only admin how the permission to change the owner, so sudo is used to become a super wer to perform changing the ownership.

Example: sudo chows exam a tru output: - TW-TW-T-- 1 oxam student 16 Feb 16 09:38 9

37. syntax:

sudo chown wer group the name Description: Used to change the ownership of both the user i group.

Example: Sudo chown student: student atter output: -rw-rw-r- 1 student student 16 Feb 16 09:38 9 LA BUT LANGUES

38. syntan: tree Description: Directory name is displayed along with the names of subdirectories within it.

60 14919 ten 100 10 100 800 100

STATE OF T

output :

ra itnd -b. tot -c. txt -oslab .tnt -osslab. -oes. tht

I directory 19 tiles. total betermine the botance and 39. Syntax: tree path- 18-the directory Description: Displays the rubdirectory (file) names of the specified directory Example: free I home ( student I bes lab output: I home I student I oss lab Later spring of both and the services - b. tat 2-2-5 & 4500 ast attal c. tru d. the o directory, 4 tiles 40. Syntax: cd ... Description: This command is used to move to the previous directory output: Student @ IIP - cc2 - 38;\$ 41. syman: onit Description: med to close the terminal wahriw Thus the basic Linux commands Result ! are enewted and understand what is oss and list of oss and types of Linux oss.