EXPERIMENT N0:.3

AIM

Familirazation of linux commands.

CO2

Perform system administration task.

PROCEDURE

1.Pwd: print working directory.

Command:$pwd

Output:/home/student

2.ls: list directories

Command:$ls -l

Output: Desktop Document Download Music Picture Public Videos

- ls -R: to see all files in the subdirectory
  command:$ls -R
  output::.
  Desktop Document Download Music Picture Public Videos

./Desktop

./ Document

./Download

./Music…………..

- ls -l: long listing of contents
    command: $ls -l
    output: total 52
    drwxr-xr-x1 student student 4096 jun 17 2022 desktop
- ls -a: to list all the hidden files
    command: $ls -a
    output: .bash-history .bash rc………..

- ls -al: to read/write permission

  command: $ls-al

  output:

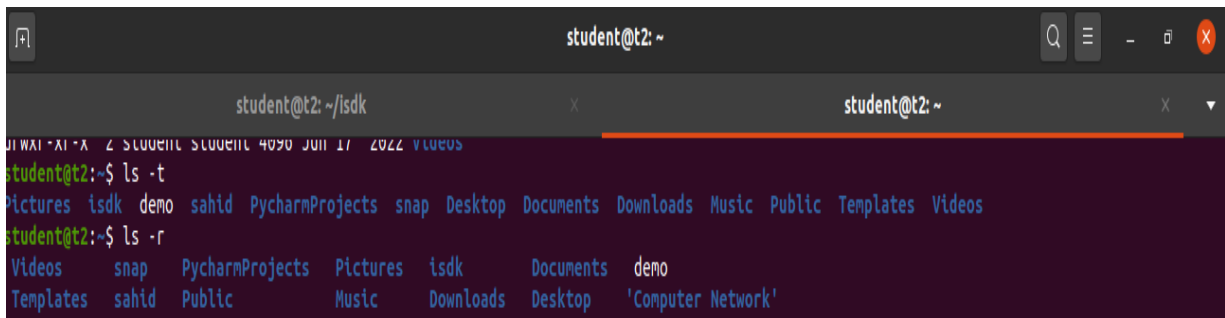 total 104

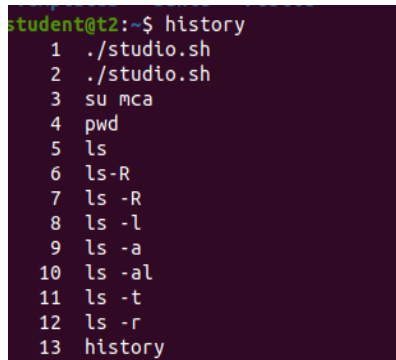 drwxr-xr-x 21 student student 4096 mar

  715:26……………………..

- ls -t: list the content that last modified

  command: $ls -t

  output: Download Music Picture Public

  Videos Desktop Document

- ls -r: to reverse the natural sorting order

  command: $ls -r

  output: picture desktop document

downloads music public

```
drwxr-xr-x 2 student student 4096 Jun 17 2022 Videos
student@t2:~$ ls -t
Pictures isdk demo sahid PycharmProjects snap Desktop Documents Downloads Music Public Templates Videos
student@t2:~$ ls -r
Videos     snap    PycharmProjects  Pictures  isdk      Documents  demo
Templates  sahid   Public           Music     Downloads Desktop    'Computer Network'
```

- history: to review the command that have been previously executed for the certain period of time

```
student@t2:~$ history
    1  ./studio.sh
    2  ./studio.sh
    3  su mca
    4  pwd
    5  ls
    6  ls-R
    7  ls -R
    8  ls -l
    9  ls -a
   10  ls -al
   11  ls -t
   12  ls -r
   13  history
```

- man: we can learn and understand different commands write from the shell using man command

    command: $man cat

    output:

```
CAT(1)                                                        User Commands

NAME
       cat - concatenate files and print on the standard output

SYNOPSIS
       cat [OPTION]... [FILE]...

DESCRIPTION
       Concatenate FILE(s) to standard output.

       With no FILE, or when FILE is -, read standard input.

       -A, --show-all
              equivalent to -vET

       -b, --number-nonblank
              number nonempty output lines, overrides -n

       -e     equivalent to -vE

       -E, --show-ends
              display $ at end of each line

       -n, --number
              number all output lines

       -s, --squeeze-blank
              suppress repeated empty output lines

       -t     equivalent to -vT

       -T, --show-tabs
              display TAB characters as ^I

Manual page cat(1) line 1/69 45% (press h for help or q to quit)
```