Assignment 1

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1. Describe (write description, execute and put the screenshot) the following basic Linux

   commands.

   a) who
   b) whoami
   c) tty
   d) pwd
   e) echo
   f) cat
   g) sort
   h) grep
   i) clear
   j) ls
   k) date
   l) mkdir
   m) mv
   n) rm
   o) cd
   p) cp
   q) touch
   r) man
   s) banner
   t) cal
   u) lock
   v) logname
   w) script
   x) wc

ANSWERS:

a) who

Description: displays the all the users with login time

```
mjy@mjy-VirtualBox:~$ who
mjy       :0           2022-03-10 16:16 (:0)
mjy@mjy-VirtualBox:~$ 
```

b)whoami

Description: Displays user, group and privileges information for the user who is currently logged on to the local system

```
mjy@mjy-VirtualBox:~$ whoami
mjy
mjy@mjy-VirtualBox:~$ 
```

c)tty

Description: The tty command of terminal basically prints the file name of the terminal connected to standard input

```
mjy@mjy-VirtualBox:~$ tty
/dev/pts/0
mjy@mjy-VirtualBox:~$ 
```

d)pwd

Description: The pwd command writes to standard output the full path name of your current directory

```
mjy@mjy-VirtualBox:~$ pwd
/home/mjy
mjy@mjy-VirtualBox:~$
```

e)echo

Description: The echo command is a built-in Linux feature that prints out arguments as the standard output

```
mjy@mjy-VirtualBox:~$ echo jaswanth
jaswanth
mjy@mjy-VirtualBox:~$ 
```

f)cat

Description: The cat command is a utility command in Linux. One of its most commonly known usages is to print the content of a file onto the standard output stream

```
mjy@mjy-VirtualBox:~$ cat<jaswanth.txt
im jaswanth
ok google
```

g)sort

Description: The sort command is used in Linux to print the output of a file in given order

```
mjy@mjy-VirtualBox:~$ sort jaswanth.txt
im jaswanth
ok google
mjy@mjy-VirtualBox:~$
```

h)grep

Description: The grep command can search for a string in groups of files

```
mjy@mjy-VirtualBox:~$ grep -c "linux"jaswanth.txt

0
mjy@mjy-VirtualBox:~$
```

i)clear

Description: The clear command is used to remove all previous commands and output from consoles and terminal windows

```
mjy@mjy-VirtualBox:~$ S
```

j)ls

Description: The ls command is used to list files or directories in Linux and other Unix-based operating systems

```
mjy@mjy-VirtualBox:~$ ls
Desktop  Documents  Downloads  jaswanth.txt  Music  Pictures  Public  Templates  Videos
mjy@mjy-VirtualBox:~$ S
```

k)date

Description: date command is used to display the system date and time

```
mjy@mjy-VirtualBox:~$ date
Thursday 10 March 2022 08:26:46 PM IST
mjy@mjy-VirtualBox:~$
```

l)mkdir

Description: The mkdir command in Linux allows users to create or make new directories

```
mjy@mjy-VirtualBox:~$ mkdir -p -v me/myself/child
mkdir: created directory 'me'
mkdir: created directory 'me/myself'
mkdir: created directory 'me/myself/child'
mjy@mjy-VirtualBox:~$
```

m)mv

Description: mv is a linux command that moves one or more files or directories from one place to another

```
mjy@mjy-VirtualBox:~$ mv a.txt b.txt
mjy@mjy-VirtualBox:~$ ls
b.txt      Documents  jaswanth.txt  Music     Public     Videos
Desktop  Downloads  me             Pictures  Templates
mjy@mjy-VirtualBox:~$ S
```

n) rm

Description: The rm command is used to delete files.

```
mjy@mjy-VirtualBox:~$ rm b.txt
mjy@mjy-VirtualBox:~$ ls
Desktop  Documents  Downloads  jaswanth.txt  me  Music  Pictures  Public  Templates  Videos
mjy@mjy-VirtualBox:~$
```

o)cd

Description: The cd command is used to change the current working directory in Linux operating systems.

```
mjy@mjy-VirtualBox:~$ cd Downloads
mjy@mjy-VirtualBox:~/Downloads$ my
my: command not found
mjy@mjy-VirtualBox:~/Downloads$ cd my
mjy@mjy-VirtualBox:~/Downloads/my$
```

p)cp

Description: cp stands for copy. This command is used to copy files or group of files or directory.

```
mjy@mjy-VirtualBox:~$ cp a.txt b.txt
mjy@mjy-VirtualBox:~$ ls new
ls: cannot access 'new': No such file or directory
mjy@mjy-VirtualBox:~$ ls
a.txt  Desktop    Downloads     me       Pictures  Templates
b.txt  Documents  jaswanth.txt  Music    Public    Videos
mjy@mjy-VirtualBox:~$ S
```

q)touch

Description: The touch command's primary function is to modify a timestamp

```
mjy@mjy-VirtualBox:~$ touch a.txt b.txt
mjy@mjy-VirtualBox:~$ ls -1
a.txt
b.txt
Desktop
Documents
Downloads
jaswanth.txt
me
Music
Pictures
Public
Templates
Videos
mjy@mjy-VirtualBox:~$ S
```

r)man

Description: man command in Linux is used to display the user manual of any command that we can run on the terminal.

s)banner

Description: This is useful when you want to display a string to be seen when someone logs in using the terminal.

t)cal

Description: cal command is a calendar command in Linux which is used to see the calendar of a specific month or a whole year.

u)lock

Description: It disappear $ after pressing the same password , you can enter into UNIX until t seconds.

v)logname

Description: :It shows the login name of the user

w)script

Description: script command in Linux is used to make typescript or record all the terminal activities.

x)wc

Description: line utility for printing newline, word and byte counts for files.