NAME : B RAMA KRISHNA

ROLL NO : 422123

SEC : A

UNIX ASSIGNMENT

Q 1) Write shell script for commands:

more,nl,nice,passwd,pr,rlogin,rcp,rsh,talk,telnet,tput,tty,uname,wc,who,write

Ans :

Commands - lab9.sh :

```
#! /bin/bash
# more command
cat sample.txt
echo " "
echo " more -d sample.txt"
more -d sample.txt
echo " "
echo "more -f sample.txt"
more -f sample.txt
# more -p sample.txt
# more -c sample.txt
echo " "
echo "more -u sample.txt"
more -u sample.txt
echo " "
echo "more -s sample.txt"
more -s sample.txt
echo " "
echo "more +5 sample.txt"
more +5 sample.txt
echo " "
echo "mmore +/Lorem sample.txt"
more +/Lorem sample.txt
```

```
echo " "


# nl command
nl file1.txt
echo ""
nl -b a file1.txt
echo ""
nl -l 1 file1.txt
echo ""
nl -i3 file1.txt
echo ""
nl -v4 file1.txt
echo ""
nl -s "..." file1.txt
echo ""
nl -w2 file1.txt
nl -w4 file1.txt
nl -w6 file1.txt
echo ""
nl -n ln file1.txt
nl -n rn file1.txt
nl -n rz file1.txt
echo ""


#nice command
ps -el | grep terminal
echo ""
nice -10 gnome-terminal
echo ""
nice --10 gnome-terminal
echo ""
```

```
sudo renice -n 15 -p 2732

echo ""

#renice -n 10 -g 1

echo ""

#sudo renice -n 10 -u 1

echo ""


# passwd command

sudo passwd root

echo ""

passwd pavan422178

echo ""


#pr command

cat file1.txt

echo ""

pr -3 file1.txt

echo ""

pr -t file1.txt

echo ""

pr -d file1.txt

echo ""

pr -n file1.txt

echo ""

pr -h "header" file1.txt

echo ""

pr --version

echo ""


#rlogin command

rlogin -l pavan422178 Pavan422178
```

```
echo ""

rlogin -T terminal_type pavan422178

echo ""


#rcp command

rcp Pavan422178:file1.txt

echo ""

rcp -p Pavan422178:one/file1.txt

echo ""


#telnet command

telnet localhost

logout

echo ""


#tput command

tput init

echo ""

tput reset

echo ""

tput longname

echo ""

tput -V

echo ""


#tty command

tty

tty -s

tty --version

#uname command

echo ""
```

```
uname -a

echo ""

uname -s

echo ""

uname -n

echo ""

uname -r

echo ""

uname -v

echo ""

uname -m

echo ""

uname -p

echo ""

uname -i

echo ""

uname -o

#wc command

wc file1.txt

echo ""

wc file2.txt

echo ""

wc file1.txt file2.txt

echo ""

wc -l file1.txt

echo ""

wc -l file1.txt file2.txt

echo ""

wc -w file1.txt

echo ""

wc -w file1.txt file2.txt
```

```
echo ""

wc -c file1.txt

echo ""

wc -c file1.txt file2.txt

echo ""

wc -m file1.txt

echo ""

wc -m file1.txt file2.txt

echo ""

wc -L file1.txt

echo ""

wc -L file1.txt file2.txt

echo ""

#who command

who -a

echo ""

who -b

echo ""

who -d

echo ""

who -H

echo ""

who -l

echo ""

who -m

echo ""

who -p

echo ""

who -q

echo ""

who -r
```

echo ""

who -s

echo ""

who -t

echo ""

who -u

echo ""

#write command

write -V


```
Terminal size: 41 rows x 156 columns
This text is in red color
This text is bold




                         This text is at row 10, column 20
root@DESKTOP-08CCMI4:/mnt/422123# |
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x  nice.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./nice.sh ls
Q2.sh                         nl.sh:Zone.Identifier      rsh.sh:Zone.Identifier     tty.sh:Zone.Identifier      who.png:Zone.Identifier
Q2.sh:Zone.Identifier         passwd.sh                  talk.sh                    uname.png                   who.sh
example.txt                   passwd.sh:Zone.Identifier  talk.sh:Zone.Identifier    uname.png:Zone.Identifier   who.sh:Zone.Identifier
example.txt:Zone.Identifier   pr.sh                      telnet.sh                  uname.sh                    write.png
example_directory             pr.sh:Zone.Identifier      telnet.sh:Zone.Identifier  uname.sh:Zone.Identifier    write.png:Zone.Identifier
more.sh                       rcp.sh                     tput.sh                    wc.png                      write.sh
more.sh:Zone.Identifier       rcp.sh:Zone.Identifier     tput.sh:Zone.Identifier    wc.png:Zone.Identifier      write.sh:Zone.Identifier
nice.sh                       rlogin.sh                  tty.png                    wc.sh
nice.sh:Zone.Identifier       rlogin.sh:Zone.Identifier  tty.png:Zone.Identifier    wc.sh:Zone.Identifier
nl.sh                         rsh.sh                     tty.sh                     who.png
root@DESKTOP-08CCMI4:/mnt/422123# |
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash rsh.sh
Directory contents:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file2.txt
Updated directory contents:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 copied_file.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file2.txt
Updated directory contents after moving file2.txt:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 copied_file.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 moved_file.txt
Executing 'ls' command remotely...
ssh: connect to host localhost port 22: Connection refused
rmdir: failed to remove 'example_directory': Directory not empty
Files and directory removed.
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x telnet.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./telnet.sh 172.50.8.213
Usage: ./telnet.sh <hostname> <port>
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x passwd.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./passwd.sh root
New password:
Retype new password:
passwd: password updated successfully
```

```
root@DESKTOP-08CCMI4:/mnt/422123# sudo apt-get install talk
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package talk
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash who.sh
root       pts/1             2024-04-11 21:25
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash nl.sh
     1  This is line 1.
     2  This is line 2.
     3  This is line 3.
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x wc.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./wc.sh example.sh
wc: example.sh: No such file or directory
root@DESKTOP-08CCMI4:/mnt/422123# ./wc.sh example.txt
 3 12 48 example.txt
root@DESKTOP-08CCMI4:/mnt/422123#
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x pr.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./pr.sh example.txt


2024-04-11 22:05                    example.txt                    Page 1


This is line 1.
This is line 2.
This is line 3.
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash tty.sh
/dev/pts/0
root@DESKTOP-08CCMI4:/mnt/422123#
```

```
root@DESKTOP-08CCMI4:~# cd /mnt/422123
root@DESKTOP-08CCMI4:/mnt/422123# bash more.sh
This is line 1.
This is line 2.
This is line 3.
```

```
root@DESKTOP-08CCMI4:/mnt/422123# chmod +x write.sh
root@DESKTOP-08CCMI4:/mnt/422123# ./write.sh root
123456789
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash uname.sh
Operating system name:
Linux
Kernel name:
DESKTOP-08CCMI4
Kernel release:
5.15.146.1-microsoft-standard-WSL2
Kernel version:
#1 SMP Thu Jan 11 04:09:03 UTC 2024
Machine hardware name:
x86_64
Processor architecture:
x86_64
Operating system version:
GNU/Linux
root@DESKTOP-08CCMI4:/mnt/422123#
```

```
root@DESKTOP-08CCMI4:/mnt/422123# bash rcp.sh
mkdir: cannot create directory 'example_directory': File exists
Directory contents:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file2.txt
Updated directory contents:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 copied_file.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file2.txt
Updated directory contents after moving file2.txt:
total 0
-rw-r--r-- 1 root root 0 Apr 11 22:21 copied_file.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 file1.txt
-rw-r--r-- 1 root root 0 Apr 11 22:21 moved_file.txt
Copying file1.txt to a remote host...
ssh: Could not resolve hostname remote.example.com: Name or service not known
lost connection
rmdir: failed to remove 'example_directory': Directory not empty
Files and directory removed.
```