

Assignment..
CSL4404

Lakhan

1906055

CSE-1

Name: Lakhon KUMAR
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Branch: CSE1

1.

Session-1

Q1. login to UNIX System :-

```
$ sudo su -  
# login
```

Output:

```
root login: Name  
password: ...
```

Q2. print working directory:-

```
$ pwd
```

Output:

```
/home/CSL4404/Assignment-1
```

Q3. list of users currently logged in UNIX system.

```
$ who -m -H
```

Output:

NAME	LINE	TIME	COMMENT
user	+tty6	2021-2-08	19:08 (:0)

Q4. Find out your login information:-

```
$ whoami
```

Output:

```
root
```

Q5. change password

```
$ sudo su -  
# password
```

Output: New password :

Retype new password:

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2.

Q.6 List of all files from current directory using long format.

\$ ls -l

output: -rwxrwxrwx 1 stes stes 4096 Feb 2 15:24 file1.txt.
drwxrwxrwx 1 flop flop 4096 Feb 1 15:39 text.txt.

Q.7 List of all files from current directory using short format.

\$ ls

output: file1.txt
text.txt

Q.8 List of all files whose names start with letter 'P' from current directory

\$ ls | grep ^P

output: P-1.txt

Q.9. List contents of current directory in formatted form.

\$ ls --format across

output: branch corporate

Q.10 Search the UNIX manual for help on ls command.

\$ man ls

output: (LS) 1 user Commands

Name

ls - list dir. Contents

Synopsis

ls [OPTION] ... [FILE]...

Description.

Session-2

Q.1. Change current directory to /bin directory.

\$ cd /bin

output: user @ Desktop VJF01 : /bin\$
~~~~~  
PC name.

Q.2. List contents of '/' directory.

\$ ls -l

output: total 100492  
----- root -----  
-----

Q.3. Change current directory to /user/bin

\$ cd user

\$ cd bin

output:

ste@MY-PC: /mnt/d/user/bin \$

Q.4. List all files including hidden files from current directory.

\$ ls -a

output:

... .bash-history .cache .profile .sudo-as-admin-

successful.

Q.5. List all files in page wise order using 'more'.

\$ ls -la | more

output: total 11660

drwxrwxrwx 1 ste ste 4096 Dec 28 21:39

-----  
-----

Q.6 Change the current directory to home directory

```
$ cd /
```

output: `steo@MY_PC : $`

Q.7. Create following directory structure: (as given in assignment)

```
$ mkdir official
```

```
$ cd official
```

```
$ mkdir documents programs data
```

```
$ cd documents
```

```
$ mkdir notes
```

```
$ cat > letters
```

```
^O^C
```

```
$ cd..
```

```
$ cd programs
```

```
$ cat > corporates
```

```
$ ^O^C
```

```
$ cat > branch
```

```
^O^C
```

```
$ cd..
```

```
$ cd data
```

```
$ mkdir corporate
```

```
$ cat > branch
```

```
^O^C
```

output: Given directory structure gets created.

Q. 8. Make 'official /data /branch' current working directory.

```
$ cd official
```

```
$ cd data
```

```
$ cat branch
```

Output: `ste@MY-PC: /mnt/d/official /data $ cat branch`  
hello (Content of file branch).

Q. 9. Create a file named 'student.dat' and record course name, roll no.

of about 10 students each should be separated by ,. use cat with redirection.

```
$ cat > student.dat
```

```
CS4404, 068, Mayurbhai
```

```
CS4403, 001, Lovely
```

```
-----  
^O^C
```

Q. 10. Use clear Command to clear the screen and show contents.

```
$ clear
```

```
$ cat student.dat
```

Output: CS4404, 068, Mayurbhai

CS4403, 001, Lovely

```
-----  
-----
```

Session:3

Q.1. Change directory to 'official/data/branch' and add information of about 10 more students in students.dat.

```
$ cd official/data
```

```
$ cat >> students.dat
```

```
CS4402, 069, Shubham
```

```
CS1011, 023, Lakhan
```

```
-----
```

```
^O^C
```

Solution:2 \$ Cat > exstudent.dat

```
CS4404, 028, Nish, 2018
```

```
CS4403, 014, Vimal, 2019
```

```
CS4402, 089, Tanya, 2020
```

```
-----
```

Solution:3 \$ Cat student.dat exstudent.dat /more

```
CS4404, 068, Mayurbhai
```

```
CS4403, 001, Lovely
```

```
CS4402, 069, Shubham
```

```
CS1011, 023, Lakhan
```

```
-----
```

```
CS4404, 028, Nish, 2018
```

```
-----
```

Solution 4. \$ cat students.dat exstudent.dat > allstudents.dat

\$ cat allstudents.dat | more

Solution 5.  
output: \$ allstudents.dat Corporate  
 \$ cd Corporate  
 \$ ls  
 allstudents.dat.

Solution 6: \$ cd official  
 \$ cd data  
 \$ corporate

Solution 7: \$ vi cstudents.dat

AWS, O10, Lakhan, Cloud Analyst, Amazon.

Semantic, 024, Mayur, SDE, Microsoft

---  
 ---  
 :wq

Solution 8:

a) Enable insert mode

i

b) Cancel current mode

esc

c) To replace characters

~

d) To append text

A.a.



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f > To add text at end of current position.

A

f > To delete character

x

g > delete entire line

dd

h > To undo

U

i > To move cursor left

h

j > To move cursor right

l

k > To move cursor up

k

↓ > To move cursor down

j

m > To move cursor end of line

\$

n > To move cursor begin of line

0

o > exit shell prompt

ctrl + Z

p > To search for pattern in forward direction

/ (pattern)

q > To search for pattern in backward direction

? (pattern)

q > To save current file

:w

s > To abort changes & exit shell

:q!

t > To save changes and exit shell

:wq.

Session: 4

Solution 1. \$ cd official  
\$ cd data  
\$ cd corporate

Solution 2. \$ cat cstudents.dat >> allstudents.dat

Solution 3. \$ mv allstudents.dat ~/data

Output: \$ cd..  
\$ ls  
allstudents.dat branch corporate  
↑  
(moved)

Solution 4. \$ cd official/programs/branch

Solution 5. \$ ln -s students.dat studentL.dat

Solution 6. \$ ln -s cstudent.dat cstudentL.dat

Solution 7. \$ ls -l studentsL.dat

Output: -rw-rw-rw- 2 user user 13 Feb 6 23:35 studentL.dat

Solution 8: \$ mv studentL.dat student.lnk

Solution 9. \$ mv documents doc

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10.

output:

\$ cd ..

\$ cd programs

\$ ls

branch corporate our students.dat