

6-10-23
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## Week-1 & 2 ~~~~~

### Basic linux commands ~~~~~

ls - Files & directories

cd - Change the current directory

pwd - Print the working directory

mkdir - New directory

touch - Create an empty file

### File Permissions: ~~~~~

chmod - Change file permission

chown - File ownership

chgrp - Change group ownership a file.

### Process Utilities: ~~~~~

ps - Display information about running processes.

top - Real-time system monitoring

kill - Terminate process by PID.

killall - Terminate process by name.

## 4) Disk Utilities:

df : Display disk space usage

du : Display directory space usage

fdisk : Disk partition tables

mkfs : Filesystem on a device

## Text Processing Utilities:

sed : Stream editor for text manipulation

awk : Data extraction & reporting

grep : Patterns in files or output

## Awk

\* Scripting language used for manipulation data

```
$ awk '{print}' test.txt
```

```
$ awk '(manager' '{print}' test.txt
```

```
$ awk '{print $1, $4}' test.txt
```

② #!/bin/sh

echo "Enter file name:"

read f

echo "Enter starting line"

read s

echo "Enter ending line"

read e

sed -n \$s, \$e \!p \$f

Output:

Enter the file name.

ansh

Enter starting line

1

Enter ending line

3

anshuk

anshsj knda



③ #!/bin/sh

echo "Enter file name"

echo "Enter word"

read word

echo "File before removing \$word"

cat \$file

grep -v -i \$word \$file > text

mv text ansh \$file

echo "File after removing \$word"

cat \$file.

Output:

anshuk