# 006.26Feb.Linux- Text Management Category

26 February 2023 11:06 PM

## (b) Text Processing

1] grep - Search Pattern.

2] sed - Text Transform

3] awk - Manipulate & Process Text data Column & Rows.

4] cut - Extract Column/ Field.

5] sort - Sort the lines of a file

grep

(1) grep 'Pattern' Path

- Single file
- File's (*.sh = All sh File)

(2) grep -r 'WhatToFind' dir-path

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Search

In current
↓
All Sub Dir

(3) syslog.1.gz → zgrep 'Pattern' "path gz"

(4) grep 'error' FolderPath --exclude-dir= abc

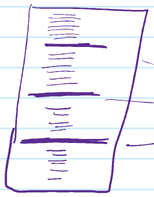
-A 2
syslog → error
-B 3

(5) grep -A 2 -B 3 'error' /var/Log/ syslog.

## Sed

× 1000 files × 50 Line = ?

(1) sed 's/ oldtext /newtext /g' *.txt



delete abc line.

(2) sed '/pattern/d' File.txt

(3) sed '2d' *.txt → Delete line number 2.

③ sed '2d' *.txt → Delete line number 2.

```
$ awk '{print $1,$3}' file.txt

$ awk '/pattern/ {print}' file.txt
```

## Cut

```
$ cut -d',' -f2 file.txt
```

```
$ echo "Welcome to Linux Command" | cut -c2-5
```

**elco**

```
$ echo "Welcome to Linux Command" | cut -c12-
```

## Sort

```
cat > data.txt
www
rrr
vvv
bbb
ccc
sss
aaa
```

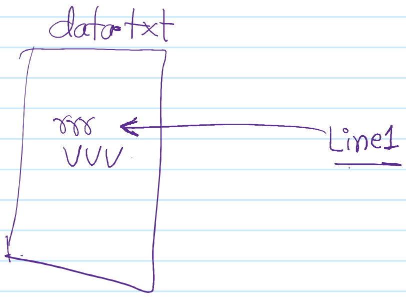
```
sort data.txt
aaa
bbb
ccc
rrr
sss
vvv
www
```

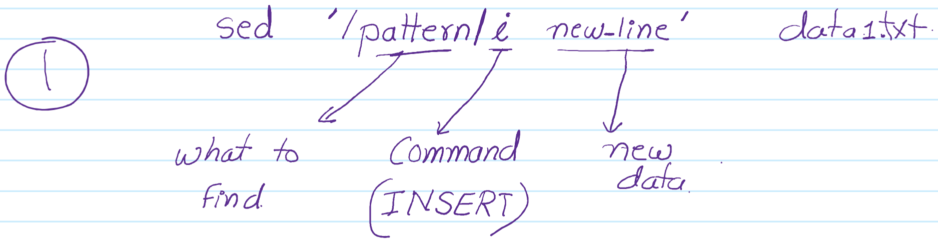
```
sort -r data.txt
www
vvv
sss
rrr
ccc
bbb
aaa
```

```
cat data.txt
www
rrr
vvv
www
bbb
ccc
rrr
sss
aaa
```

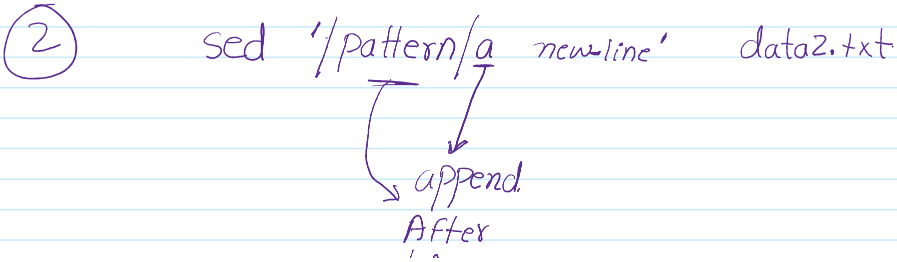
```
sort -u data.txt
aaa
bbb
ccc
rrr
sss
vvv
www
```

```
$   sed 's/rrr/qqq/g' data.txt > data1.txt
```





```
1    sed '/pattern/i new-line'    data1.txt
```



```
2    sed '/pattern/a new-line'    data2.txt
```

append
After
Line.

③

```
sed '2s/old/new/' data.txt
```