

Experiment No.: 6

Aim

Familiarisation of Linux Commands

CO2

Perform System administration tasks

Procedure

1. grep – Used to filter the content which makes our search easy

a)grep [search word] [filename] -To search for a specific content

```
mca@t2:~/new$ cat > details.txt
maths 50
english 40
science45
hindi 34
social 49
^Z
[3]+  Stopped                  cat > details.txt
mca@t2:~/new$ grep 40 details.txt
english 40
```

b)grep -i [search word] [filename] -Its a case insensitive search

```
mca@t2:~/new$ grep -i english details.txt
english 40
```

c)grep -v [search word] [filename] – All the contents except the searched content will be displayed

```
mca@t2:~/new$ grep -v 49 details.txt
maths 50
english 40
science45
hindi 34
```

d)grep -A1 [search word] [filename] – View the content with one line after

```
mca@t2:~/new$ grep -A1 english details.txt
english 40
science45
```

e)grep -B1 [search word] [filename] - View the content with one line before

```
mca@t2:~/new$ grep -B1 social details.txt
hindi 34
social 49
```

f)grep -C1 [search word] [filename] -View the content with one line before and after.

```
mca@t2:~/new$ grep -C1 science details.txt
english 40
science45
hindi 34
```

2)head – To display the top contents of the file. By default it displays first 10 lines.

a)head [filename]-To display the first 10 lines of the file

```
mca@t2:~/new$ head demo
1
2
3
4
5
6
7
8
9
```

b) head -[limit] [filename]-To display the contents of the file upto a specified limit

```
mca@t2:~/new$ head -5 demo
1
2
3
4
5
```

3)tail – To display the last contents of the file

a)tail [filename]-To display last 10 lines

```
mca@t2:~/new$ tail demo
7
8
9

10
34
56
67
78
89
```

b)tail -[limit] [filename]-To display the last contents of the file upto a specified limit

```
mca@t2:~/new$ tail -5 demo
34
56
67
78
89
```

4)mv – Used for moving a file from one location to another. Its a way of replacing the file. Already written files will be overwritten.

a)mv [file1] [file2] -To move contents from one file to another

```
mca@t2:~/new$ ls
demo  details  details.txt
mca@t2:~/new$ mv demo details.txt
mca@t2:~/new$ cat details.txt
1
2
3
4
5
6
7
8
9

10
34
56
67
78
89
mca@t2:~/new$ cat demo
```

```
mca@t2:~/new$ cat demo
cat: demo: No such file or directory
mca@t2:~/new$ ls
details  details.txt
```

b) mv -b [file1] [file2] – Back-up contents in a file

```
mca@t2:~/new$ cat >profile
hello
how are
you
^Z
[7]+  Stopped                  cat > profile
mca@t2:~/new$ mv -b details.txt profile
mca@t2:~/new$ ls
details  profile  profile~
mca@t2:~/new$ cat profile~
hello
how are
you
```

c) mv -i [file1] [file2] – To display the prompt message

```
mca@t2:~/new$ cat > profile1
Amal Jyothi clg
kanjirappally
kottayam
^Z
[8]+  Stopped                  cat > profile1
mca@t2:~/new$ mv -i profile profile1
mv: overwrite 'profile1'? █
```

Result

The program was executed and the result was successfully obtained. Thus CO2 was obtained.