Experiment No :6   Date:14/03/2023

Aim: Familiarisation of Linux Commands

CO1: Perform System Administration Tasks

Procedure :

1. **Grep** - filter searches a file for a particular pattern of characters, and displays all lines that contain that pattern.
   $grep amal hello.txt
   Output:

   ```
   student@t2:~/demo$ grep amal  hello.txt
   amal jyothi
   ```

2. Grep -i -To perform case insensitive search
   $grep -i Fluter file1
   Output:

   ```
   student@t2:~$ grep -i Flutter file1
   Flutter 50
   ```

3. Grep -b -to display all content except the searched content
   $grep -b Output:

4. Grep -A1- To view the content searched along with one line after
   $grep -A1 Fluter file1
   Output:

   ```
   student@t2:~$ grep -A1 Flutter file1
   Flutter 50
   React 15
   ```

5. Grep -B1 -To view the content searched along with one line Before
   $grep -B1 Fluter file1
   Output:

   ```
   student@t2:~$ grep -B1 Flutter file1
   C 30
   Flutter 50
   ```

6. Grep -C1 -To view the content searched along with one line after & Before
   $grep -C1 Fluter file1
   Output:

   ```
   student@t2:~$ grep -C1 Flutter file1
   C 30
   Flutter 50
   React 15
   ```

7. Head - To display the first lines of files . By default, it shows the first 10 lines
   $head car
   Output:

   ```
   student@t2:~$ head car
   1
   2
   3
   4
   5
   6
   7
   8
   9
   10
   ```

8. Head -number -To display the first n number of lines of files
   $head -3 car
   Output:

   ```
   student@t2:~$ head -3 car
   1
   2
   3
   ```

9. Tail -To display the last lines of files . By default, it shows the first 10 lines
   $tail car
   Output:

   ```
   student@t2:~$ tail car
   8
   9
   10
   11
   12
   13
   14
   15
   16
   17
   ```

10. Tail -n - To display last n number of lines of files

$tail -3 car.txt

Output:

```
student@t2:~$ tail -3 car
15
16
17
student@t2:~$ mv car car2
```

11. Mv -**mv** stands for move. **mv** is used to move one or more files or directories from one place to another

$mv

output:

```
student@t2:~/SHYAM$ cat > cars
VW
Honda
Toyota
Suzuki
KIA
^Z
[1]+  Stopped                 cat > cars
student@t2:~/SHYAM$ mv cars vehi
student@t2:~/SHYAM$ cat vehi
VW
Honda
Toyota
Suzuki
KIA
student@t2:~/SHYAM$ cat cars
cat: cars: No such file or directory
```

12. Mv -b -to create backup while moving file

$mv -b

output:

```
student@t2:~/SHYAM$ cat > moto
African Twin
Royal Enfield
^Z
[2]+  Stopped                 cat > moto
student@t2:~/SHYAM$ mv -b moto vehi
student@t2:~/SHYAM$ cat vehi
African Twin
Royal Enfield
student@t2:~/SHYAM$ cat vehi~
VW
Honda
Toyota
Suzuki
KIA
```

13. Mv i -to display the prompt Warning message

$mv - i ipl ipl2

Output:

```
student@t2:~/SHYAM$ cat ipl
MI
RCB
student@t2:~/SHYAM$ cat ipl2
CSK
student@t2:~/SHYAM$ mv -i ipl ipl2
mv: overwrite 'ipl2'? y
student@t2:~/SHYAM$ cat ipl2
MI
RCB
student@t2:~/SHYAM$
```

Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.