# **Experiment No: 6**

### **AIM**

Familiarization of LINUX Commands.

## **CO2**

Perform system administration task.

### **Procedure**

1. grep

grep command is used to filter and display contents accordingly which makes our search easy.

# 1.1) grep –i [pattern] [filename]

used to search the pattern and display contents accordingly, -i implies the search is insensitive.

\$grep –i hindi mark

# <u>Output</u>

```
student@t2:~

student@t2:~

student@t2:~

cat mark
english 100
malayalam 97
physics 78
hindi 98
student@t2:~

grep -i hindi mark
hindi 98
```

# 1.2) grep –v [pattern] [filename]

performs inverted search which implies displaying all the contents which does not have the specified pattern.

\$ grep –v english mark

# Output

```
student@t2:~$ grep -v english mark
malayalam 97
physics 78
hindi 98
```

#### 1.3) grep –A1 [pattern] [filename]

displays the searched content along with a line after it.

\$ grep –A1 physics mark

## Output

```
student@t2:~$ grep -A1 physics mark
physics 78
hindi 98
```

1.4) grep –B1 [pattern] [filename]

displays the searched content along with a line before it.

\$ grep –B1 physics mark

#### Output

```
student@t2:~$ grep -B1 physics mark
malayalam 97
physics 78
```

1.5) grep –C1 [pattern] [filename]

displays the searched content along with a line before and after it. It works as a combination of -A1 and -B1 option of grep command.

\$ grep –C1 malayalam mark

# **Output**

```
student@t2:~$ grep -C1 malayalam mark
english 100
malayalam 97
physics 78
student@t2:~$
```

#### 2. head

displays the top contents of a file. By default, it displays first 10 lines of file.

\$ head number

```
student@t2:~$ head number

1
2
3
4
5
6
7
8
9
10
```

# 2.1) head –[number of lines] [filename]

displays only the number of lines specified by the user.

\$ head -5 number

```
student@t2:~$ head -5 number

1
2
3
4
5
student@t2:~$
```

#### 3. tail

displays the bottom contents of a file. By default, it displays last 10 lines of file.

\$ tail number

# **Output**

```
student@t2:~

student@t2:
```

#### 3.1) tail –[number of lines] [filename]

displays only the number of lines specified by the user.

\$ tail -5 number

## **Output**

```
student@t2:~$ tail -5 number
16
17
18
19
20
```

#### 4) my [source file] [copy file]

To move the contents of file 1 to file 2 by overwriting the contents of file and replacing it with new name.

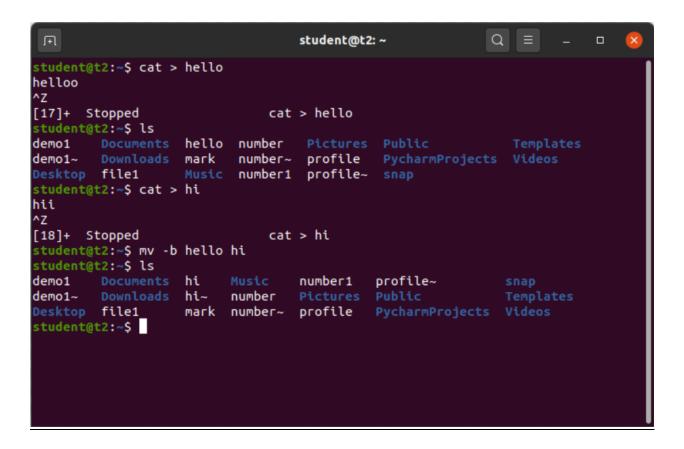
\$ mv number number1

### **Output**

# 4.1) mv –b [source file] [copy file]

To move the contents of file 1 to file 2 while keeping a backup of original file.

\$ mv -b hello hi



### 4.2) mv –i [source file] [copy file]

To move the contents of file 1 to file 2 by overwriting the original file.

\$ mv -i hello hi

```
F
                                   student@t2: ~
student@t2:-$ cat > hello
helloo
^Z
[22]+ Stopped
                               cat > hello
student@t2:-$ cat > hi
hii
^Z
[23]+ Stopped
                               cat > hi
student@t2:~$ mv -i hello hi
mv: overwrite 'hi'? y
student@t2:-$ cat hi
helloo
student@t2:~$
```

# Result

The program has been executed and output has been verified.