## NETWORKING & SYSTEM ADMINISTRATION LAB

**Experiment No.: 4**

Name: Silvia Thomas

Roll  No:  38

Batch: S2MCA -B

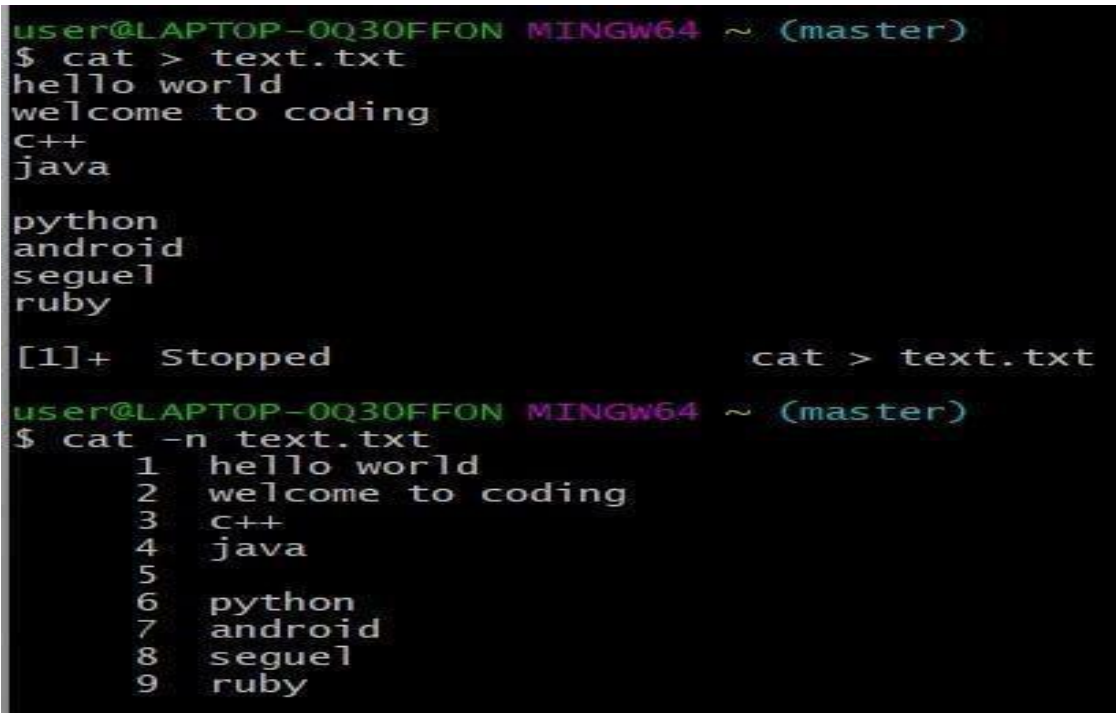Date: 31/03/2022

## Aim

Familiarization of the linux commands.

## Procedure

## 1. -n

This command is used to displays line numbers in contents.

Syntax :-          $ cat -n filename

Output :-



## 2. -b

This command is used to removes the empty lines.

Syntax :-          $ cat -b filename

Output :-



## 3. Touch

This command is used to create an empty file.

Syntax :-          $ touch filename

Output :-



## 4. $echo //contents// >>text.txt: it is used to add contents to an empty file.

Output:-



## 5. head

This head command is used to display the first ten line of contents and head -4 which displays the first four lines of contents.

Syntax :-          $ head filename

                   $ head -4 filename

Output:-

```
user@LAPTOP-0Q30FFON MINGW64 ~ (master)
$ head text.txt
hello world
welcome to coding
c++
java

python
android
seguel
ruby
hello world

user@LAPTOP-0Q30FFON MINGW64 ~ (master)
$ head -4 text.txt
hello world
welcome to coding
c++
java
```

## 6. Tail

This tail command is used to displays the last ten lines of contents and tail -4 which displays the last 4 lines of contents.

Syntax :-        $ tail filename.txt

                 $ tail -4 filename.txt

Output:-

```
user@LAPTOP-0Q30FFON MINGW64 ~ (master)
$ tail text.txt
hello world
welcome to coding
c++
java

python
android
seguel
ruby
hello world
```

```
user@LAPTOP-0Q30FFON MINGW64 ~ (master)
$ tail -4 text.txt
android
seguel
ruby
hello world
```

## 7. Cut f2,Cut f1

This cut f2 command is used to display the second column contents and f1 which displays the first column contents.

Syntax :-        $cut –d- -f2 filename.txt

                 $cut –d- -f1 filename.txt

Output :-

```
student@S38:~$ cat > mark1
english 67
maths 69
hindi 45^Z
[1]+  Stopped                 cat > mark1
student@S38:~$ cut -d ' ' -f2 mark1
67
69
```

## 8. cut ' '

This command is used cut the spaces.

Syntax :-          $cut –d ' ' –f2 filename.txt  Output

```
student@S38:~$ cat > mark1
english 67
maths 69
hindi 45^Z
[1]+  Stopped              cat > mark1
student@S38:~$ cut -d ' ' -f2 mark1
67
69
```

:-

## 9. cut –b 2

This command is used to displays the second letters.

Syntax :-          $ cut –b 2 filename.txt

Output :-

```
student@S38:~$ cut -b 2 mark1
n
a
```

## 10. cut –complement –c 1

This command is used to displays the contents except the first letter .

Syntax :-          $ cut –complement –c 1 filename.txt

Output :-

```
student@S38:~$ cut --complement -c 1 mark1
nglish 67
aths 69
```

## 11. Paste

This command is used to paste one file contents to another.

Syntax :-          $ paste filename1.txt filename2.txt

Output :-

```
student@S38:~$ cat > marvel1
captain america
ironman
thor
black widow
hulk
spiderman
groot
^Z
[2]+  Stopped                 cat > marvel1
```

```
student@S38:~$ cat > marvel2
nebula
gamora
panda
dr strange
^Z
[3]+  Stopped                 cat > marvel2
```

```
student@S38:~$ paste marvel1 marvel2
captain america nebula
ironman gamora
thor     panda
black widow      dr strange
hulk
spiderman
groot
```

```
student@S38:~$ cat marvel3
captain america nebula
ironman gamora
thor     panda
black widow      dr strange
hulk
spiderman
groot
```

## 12. Paste –d '-' file1 file2, Paste –d '%' file1 file2

This command is used to displays '–' and '%' in between the contents.

Syntax :-          $ paste –d '-' file1.txt file2.txt

                   $ paste –d '%' file1.txt file2.txt

Output :-

```
student@S38:~$ paste -d '-' marvel1 marvel2
captain america-nebula
ironman-gamora
thor-panda
black widow-dr strange
hulk-
spiderman-
groot-
student@S38:~$ paste -d '%|' marvel1 marvel2 marvel1
captain america%nebula|captain america
ironman%gamora|ironman
thor%panda|thor
black widow%dr strange|black widow
hulk%|hulk
spiderman%|spiderman
groot%|groot
```

## 13. Paste –s file1 file2

This command is used to displays the contents as single line.

Syntax :- $ paste –s file1.txt file2.txt Output :-

```
student@S38:~$ paste -s marvel1 marvel2
captain america ironman thor    black widow    hulk    spiderman        groot
nebula  gamora  panda   dr strange
```

## 14. More, more -3 filename,+3 filename

This more command displays the output one screenful at a time ,more -3 command which displays the first 3 lines of contents and +3 displays the lines excepts the first three lines.

Syntax :-          $ more  filename.txt

$ more  -3 filename.txt

$ more  +3 filename.txt

$ more filename.txt

$ more – s filename.txt

Output :-

```
student@S38:~$ cat >> demo2
The Marvel Cinematic Universe (MCU) is an American media franchise and shared universe centered on a series of superhero films produced by Mar
vel Studios. The films are based on characters that appear in American comic books published by Marvel Comics. The franchise also includes tel
evision series, short films, digital series, and literature. The shared universe, much like the original Marvel Universe in comic books, was e
stablished by crossing over common plot elements, settings, cast, and characters.

The first MCU film is Iron Man (2008), which began the films of Phase One culminating in the crossover film The Avengers (2012). Phase Two beg
an with Iron Man 3 (2013) and concluded with Ant-Man (2015). Phase Three began with Captain America: Civil War (2016) and concluded with Spide
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Marvel Television expanded the universe to network television with Agents of S.H.I.E.L.D. on ABC in 2013, before further expanding to streamin
g television on Netflix and Hulu, and cable television on Freeform. They also produced the digital series Agents of S.H.I.E.L.D.: Slingshot. M
arvel Studios began producing their own television series for streaming on Disney+, starting with WandaVision in 2021 as the beginning of Phas
e Four. The MCU also includes tie-in comics published by Marvel Comics, a series of direct-to-video short films called Marvel One-Shots, and v
iral marketing campaigns for the films featuring the faux news programs WHIH Newsfront and TheDailyBugle.net.

The franchise has been commercially successful and has generally received positive reviews. It has inspired other film and television studios
to attempt to create similar shared universes with comic book character adaptations. The MCU has also inspired several themed attractions, an
art exhibit, two television specials, guidebooks for each film, multiple tie-in video games, and commercials.
By 2005, Marvel Entertainment had begun planning to produce its own films independently and distribute them through Paramount Pictures.[2] Pre
viously, Marvel had co-produced several superhero films with Columbia Pictures, New Line Cinema and others, including a seven-year development
 deal with 20th Century Fox.[3] Marvel made relatively little profit from its licensing deals with other studios and wanted to get more money
out of its films while maintaining artistic control of the projects and distribution.[4] Avi Arad, head of Marvel's film division, was pleased
 with Sam Raimi's Spider-Man films at Sony Pictures, but was less pleased with others. As a result, Arad decided to form Marvel Studios, Holly
wood's first major independent film studio since DreamWorks.[5]

Kevin Feige, Arad's second-in-command,[5] realized that unlike Spider-Man and the X-Men, whose film rights were licensed to Sony and Fox, resp
ectively, Marvel still owned the rights to the core members of the Avengers. Feige, a self-described "fanboy", envisioned creating a shared un
iverse, just as creators Stan Lee and Jack Kirby had done with their comic books in the early 1960s.[6] To raise capital, the studio secured f
unding from a seven-year, $525 million revolving credit facility with Merrill Lynch.[4] Marvel's plan was to release individual films for thei
r main characters and then merge them in a crossover film.[7] Arad, who doubted the strategy yet insisted that it was his reputation that help
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--More--(32%)
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**15.** In more command:

    <space>-Press space bar to advance to next page.

    <enter>- Press enter to advance to the next line.