Experiment No.: 5 **Date 13-03-2023**

AIM: Familiarization of linux commands.

CO2: Perform system administration task.

Procedure:

1. read : read a line
$read
$ echo $REPLY

```
student@t2:~$ read
hi Philip
student@t2:~$ echo $REPLY
hi Philip
```

1.1. Read into variables
$ read var1 var2 var 3

```
student@t2:~$ read var1 var2 var3
My Name is Philip
student@t2:~$ echo "[$var1][$var2][$var3]"
[My][Name][is Philip]
```

1.2 read multiple lines using backslash

```
student@t2:~$ read
my \
> name \
> is Philip \
> ^Z
student@t2:~$ echo $REPLY
my name is Philip
```

1.3 $read -p : Prompt something in the screen
$read -p “something ”

```
student@t2:~$ read -p "Enter your name : "
Enter your name : Philip Antony
student@t2:~$ echo "My name is $REPLY"
My name is Philip Antony
```

1.4 $read - n: read only a specific length of characters

```
student@t2:~$ read -n 6 -p "Enter 6 Charactors only : "
Enter 6 Charactors only : Philipstudent@t2:~$
student@t2:~$
```

1.5 $read -s : read secure data like passwords
$read -s -p “Enter password”

```
student@t2:~$ read -s -p "Enter the Password :"
Enter the Password :student@t2:~$
student@t2:~$ echo "Password is $REPLY"
Password is Philip
student@t2:~$
```

2. $wc filename: display the details of file

```
student@t2:~/Philip/newfolder$ cat profile
I am Philip Antony
Student at Amaljyothi college of Eng
Currently doing Mca
student@t2:~/Philip/newfolder$ wc profile
 3 13 76 profile
student@t2:~/Philip/newfolder$
```

2.1 $wc -l : To display number of lines
$wc -l profile

```
student@t2:~/Philip/newfolder$ wc -l profile
3 profile
```

2.2 $wc -m : To display number of bytes
$wc -m profile

```
student@t2:~/Philip/newfolder$ wc -m profile
76 profile
```

2.3 $wc -c : To display number of characters
$wc -c profile

```
student@t2:~/Philip/newfolder$ wc -c profile
76 profile
```

2.4 $wc -w: To display number of words
$wc -w profile

```
student@t2:~/Philip/newfolder$ wc -w profile
13 profile
```

2.5 $wc -L : Length of the longest line
$wc -l profile

```
student@t2:~/Philip/newfolder$ wc -L profile
36 profile
student@t2:~/Philip/newfolder$
```

2.6 $more : command is used to view the text files in the command prompt, displaying one screen at a time in case the file is large
$more myfile.txt

```
ystems to derive better segment strategies and charge according to the relev
e and value. And aircraft maintenance is easier, faster, prescriptive and mo
precise.

All this - and much more - is possible because aerospace is such a data-rich
--More--(32%)
```

2.7 $more +4: type the number of lines that you want to display per screen.
$more +4 myfile.txt

```
student@t2:~/Philip/newfolder$ more +4 myfile.txt

Artificial intelligence, Deep Learning / Machine Learning Systems are having a major i
ies mentioned above, flying is becoming safer, more comfortable, more predictive and o
 less fuel and create a better passenger experience. Airports are more efficient and e
```

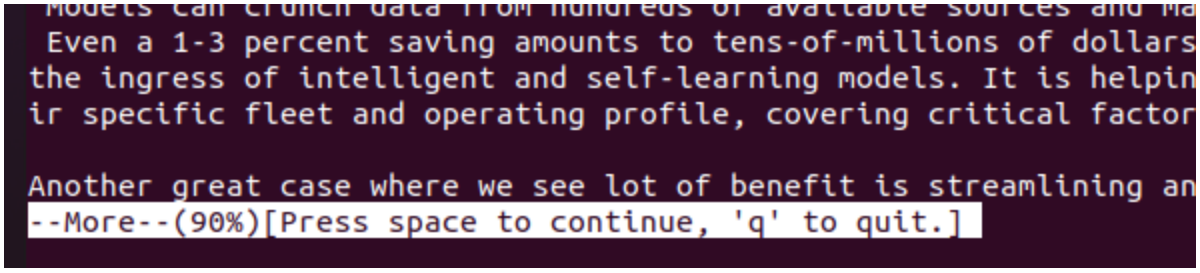
2.8 $more +/something : Search the pattern string
$more +/Deep myfile.txt

```
student@t2:~/Philip/newfolder$ more +/Deep myfile.txt

...skipping
Most of us already use smart machines that learn, recognize voices, mak
 the routes we drive, to the movies we watch, to the clothes we buy. We
r countertops, robots in our factories and autonomous vehicles on our h

Artificial intelligence, Deep Learning / Machine Learning Systems are h
ies mentioned above, flying is becoming safer, more comfortable, more p
```

2.9 $more -d:help user to navigate , press space to continue, q to quit
$more -d myfile.txt



Result

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