

Operating System

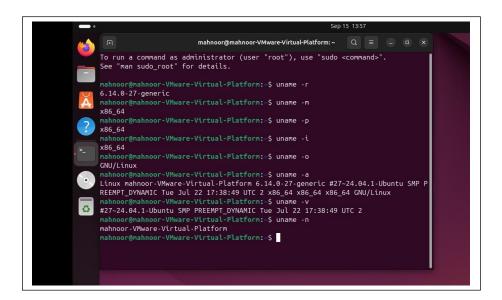
Lab #5

Submitted By:

Mahnoor Farrukh (52926)

BSCS-5

Task 1:



Definitions:

- -r It shows the kernel version (information)
- -m It gives you computer architecture
- -p It shows what kind of processor it is or prints unknown
- -i It shows the hardware platform
- -o Displays the name of the Operating System
- -a It shows everything all together
- -v gives more detail about the kernel
- -n gives you the computer name

Task 2:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ pico labSort
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat labSort
End of file
6 apples
file to be sorted
apple on the table
23 years old
File To be sorted
78 apples
Class
3 bananas
99 sort files
```

sort labSort:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort labSort
23 years old
3 bananas
6 apples
78 apples
99 sort files
apple on the table
Class
End of file
file to be sorted
File To be sorted
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

sort -r:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort -r labSort
File To be sorted
file to be sorted
End of file
Class
apple on the table
99 sort files
78 apples
6 apples
3 bananas
23 years old
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

sort -b:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort -b labSort
23 years old
3 bananas
6 apples
78 apples
99 sort files
apple on the table
Class
End of file
file to be sorted
File To be sorted
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

sort -f:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort -f labSort
23 years old
3 bananas
6 apples
78 apples
99 sort files
apple on the table
Class
End of file
file to be sorted
File To be sorted
mahnoor@mahnoor-VMware-Virtual-Platform:-$
```

sort -k:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort -k1 labSort
23 years old
3 bananas
6 apples
78 apples
99 sort files
apple on the table
Class
End of file
file to be sorted
File To be sorted
mahnoor@mahnoor-VMware-Virtual-Platform:-$
```

sort -n:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort -n labSort
apple on the table
Class
End of file
file to be sorted
File To be sorted
3 bananas
6 apples
23 years old
78 apples
99 sort files
```

Task 3:

sort:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort SortLabNumeric

12 Online classes
13 People of Pakistan
14 Hacking stories
6 Network security
7 Tom and jerry
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

sort-r:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort -r SortLabNumeric
7 Tom and jerry
6 Network security
14 Hacking stories
13 People of Pakistan
12 Online classes
```

sort-k1:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ sort -k1 SortLabNumeric

12 Online classes
13 People of Pakistan
14 Hacking stories
6 Network security
7 Tom and jerry
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

sort-k2:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort -k2 SortLabNumeric

14 Hacking stories
6 Network security
12 Online classes
13 People of Pakistan
7 Tom and jerry
mahnoor@mahnoor-VMware-Virtual-Platform:-$
```

sort-n:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort -n SortLabNumeric

6 Network security
7 Tom and jerry
12 Online classes
13 People of Pakistan
14 Hacking stories
mahnoor@mahnoor-VMware-Virtual-Platform:-$
```