

Assignment 4

Create a file named "data.txt" and write the following lines in it(write as it is).

Linux is open source.

In Linux everything is file

files have permissions.

files have inode no.

files have size.

there are several types of files

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ touch data.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
data.txt  hard      name.txt  satyam.txt
demo.txt  helo.txt  one       shell
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat > data.txt
Linux is open source
In Linux evething is file
files have permission
file have indoe no.
file have size
there are several type of file
^C
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat data.txt
Linux is open source
In Linux evething is file
files have permission
file have indoe no.
file have size
there are several type of file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

i). count the no. of words ,characters and lines from above 2 file.(man wc)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ wc -m data.txt
137 data.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ wc -l data.txt
6 data.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ wc -w data.txt
25 data.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

ii) list the lines having word "files" (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ grep -n "files" data.txt
3:files have permission
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list the lines having word "file" (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ grep -n "file" data.txt
2:In Linux evething is file
3:files have permission
4:file have indoe no.
5:file have size
6:there are several type of file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list the lines which don't have word "files" (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ grep -v "files" data.txt
Linux is open source
In Linux evething is file
file have indoe no.
file have size
there are several type of file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list the lines having word "have" . (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ wc -w "have" data.txt
wc: have: No such file or directory
 25 data.txt
 25 total
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list the lines starts with letter "f" (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ grep "^f" data.txt
files have permission
file have indoe no.
file have size
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list the lines ends with "." (man grep)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ grep ".$" data.txt
Linux is open source
In Linux evething is file
files have permission
file have indoe no.
file have size
there are several type of file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list only first two lines.(man head)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ head -n "2" data.t
xt
Linux is open source
In Linux evething is file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list only last three lines.(man tail)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ tail -n "3" data.t
xt
file have indoe no.
file have size
there are several type of file
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

list line no,3,4 and 5 . (man head and tail)

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ head -5 data.txt |
tail -3
files have permission
file have indoe no.
file have size
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```