

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

compose the commands fulfilled following requirement

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

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ cat > data.txt
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
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ wc data.txt
 6  25 145 data.txt
```

2. list the lines having word "files" (man grep)

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep -i 'files' data.txt
files have permissions.
files have inode no.
files have size.
there are several types of files
```

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

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep -w 'file' data.txt
In Linux everything is file
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$
```

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

```
In Linux everything is file
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep -wv 'files' data.txt
Linux is open source.
In Linux everything is file
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$
```

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

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep -w 'have' data.txt
files have permissions.
files have inode no.
files have size.
```

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

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep '^f' data.txt
files have permissions.
files have inode no.
files have size.
```

7. List the lines ends with "." (man grep)

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ grep '\.$' data.txt
Linux is open source.
files have permissions.
files have inode no.
files have size.
```

8. list only first two lines.(man head)

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ head -2 data.txt
Linux is open source.
In Linux everything is file
```

9. list only last three lines.(man tail)

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ tail -3 data.txt
files have inode no.
files have size.
there are several types of files
```

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

```
vivek@vivek-Lenovo-Legion-Y540-15IRH-PG0:~/Desktop/sunbeam/os$ head -5 data.txt | tail -3
files have permissions.
files have inode no.
files have size.
```