Assignment 4

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ cat > data.txt
Linux is open source
In Linux everything is file
file have permissions.
file have inode no.
file have size.
there are several types of files
^C
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ wc data.txt
  6  25 141 data.txt
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ grep "files" data.txt
files have permissions.
files have inode no.
files have size.
there are several types of files
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
there are several types of files
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ grep -v "files" data.txt
Linux is open source.
In Linux everything is file
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ grep "have" data.txt
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ grep "^f" data.txt
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ grep "\.$" data.txt
Linux is open source.
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ head -2 data.txt
Linux is open source.
In Linux everything is file
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ tail -3 data.txt
files have inode no.
files have size.
there are several types of files
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```

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

```
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$ head -5 data.txt | tail -3
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-HP-Laptop-15-bs1xx:~/os/Assignment$
```