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-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ 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
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

compose the commands fulfilled following requirement

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ wc data.txt
  6  25 145 data.txt
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep "files" data.txt
files have permissions.
files have inode no.
files have size.
there are several types of files
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep -w "file" data.txt
In Linux everything is file
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep -v "files" data.txt
Linux is open source.
In Linux everything is file
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep "have" data.txt
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep "^f" data.txt
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ fgrep "." data.txt
Linux is open source.
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ head -n 2 data.txt
Linux is open source.
In Linux everything is file
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ tail -n 3 data.txt
files have inode no.
files have size.
there are several types of files
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ tail -n +3 data.txt | head -n 3
files have permissions.
files have inode no.
files have size.
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```