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@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ touch data.txt
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ 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@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ ▯
```

compose the commands fulfilled following requirement

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ wc -w -m -l data.txt
  6  25 145 data.txt
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n "files" data.txt
3:files have permissions.
4:files have inode no.
5:files have size.
6:there are several types of files
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n -w "file" data.txt
2:In Linux everything is file
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n  -v "files" data.txt
1:Linux is open source.
2:In Linux everything is file
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n "have" data.txt
3:files have permissions.
4:files have inode no.
5:files have size.
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n ^f data.txt
3:files have permissions.
4:files have inode no.
5:files have size.
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -n  "\.$" data.txt
1:Linux is open source.
3:files have permissions.
4:files have inode no.
5:files have size.
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ head -n 2 data.txt
Linux is open source.
In Linux everything is file
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ tail -n 3 data.txt
files have inode no.
files have size.
there are several types of files
```

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

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ head -n 5 data.txt | tail -n 3
files have permissions.
files have inode no.
files have size.
```