

```
akhilesh@akhilesh-VirtualBox:~/Desktop/422104/week3$ chmod +x week3.sh
akhilesh@akhilesh-VirtualBox:~/Desktop/422104/week3$ ./week3.sh
pr command
pr (GNU coreutils) 8.32
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Written by Pete TerMaat and Roland Huebner.
pr numbers.txt
```

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numbers.txt

Page 1

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

```
pr -t numbers.txt
1
2
3
4
5
6
7
8
9
10
11
12
pr -d numbers.txt
```

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numbers.txt

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```
1
2
3
4
5
6
7
8
9
10
11
12
```

pr -3 numbers.txt

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numbers.txt

Page 1

|   |   |    |
|---|---|----|
| 1 | 5 | 9  |
| 2 | 6 | 10 |
| 3 | 7 | 11 |
| 4 | 8 | 12 |

```
cat coommand
Virginia
Connecticut
Delaware
Georgia
Maryland
Massachusetts
New Hampshire
New Jersey
New York
North Carolina
head command
head list1.txt
Virginia
Connecticut
Delaware
Georgia
Maryland
Massachusetts
New Hampshire
New Jersey
New York
North Carolina
head -n 2 list1.txt
Virginia
Connecticut
head -c 20 list1.txt
Virginia
Connecticuthead -v list1.txt
==> list1.txt <==
Virginia
Connecticut
Delaware
Georgia
Maryland
Massachusetts
New Hampshire
New Jersey
New York
North Carolina
```

```
head -v list1.txt numbers.txt
```

```
==> list1.txt <==
```

Virginia

Connecticut

Delaware

Georgia

Maryland

Massachusetts

New Hampshire

New Jersey

New York

North Carolina

```
==> numbers.txt <==
```

1

2

3

4

5

6

7

8

9

10

```
head numbers.txt > out_numbers.txt
```

```
tail command
```

```
tail +5 out_numbers.txt
```

5

6

7

8

9

10

```
cut command
```

```
cut -b 1,2,3 list1.txt
```

Vir

Con

Del

Geo

Mar

Mas

New

New

New

Nor

```
cut -b -5list1.txt
Virgi
Conne
Delaw
Georg
Maryl
Massa
New H
New J
New Y
North
cut -c 3-7 list1.txt
rgini
nnect
lawar
orgia
rylan
ssach
w Ham
w Jer
w Yor
rth C
paste command
paste list1.txt numbers.txt
Virginia      1
Connecticut   2
Delaware      3
Georgia 4
Maryland      5
Massachusetts 6
New Hampshire 7
New Jersey    8
New York      9
North Carolina 10
11
12
./week3.sh: line 49: , list1.txt numbers.txt numbers.txt: command not found
Virginia|1,1
Connecticut|2,2
Delaware|3,3
Georgia|4,4
Maryland|5,5
Massachusetts|6,6
New Hampshire|7,7
New Jersey|8,8
New York|9,9
North Carolina|10,10
|11,11
|12,12
```

```
paste -d : list1.txt numbers.txt numbers.txt
```

Virginia:1:1

Connecticut:2:2

Delaware:3:3

Georgia:4:4

Maryland:5:5

Massachusetts:6:6

New Hampshire:7:7

New Jersey:8:8

New York:9:9

North Carolina:10:10

:11:11

:12:12

```
paste -s -d : list1.txt numbers.txt numbers.txt
```

Virginia:Connecticut:Delaware:Georgia:Maryland:Massachusetts

1:2:3:4:5:6:7:8:9:10:11:12

1:2:3:4:5:6:7:8:9:10:11:12

sort command

```
sort list1.txt
```

Connecticut

Delaware

Georgia

Maryland

Massachusetts

New Hampshire

New Jersey

New York

North Carolina

Virginia

```
sort -r list1.txt
```

Virginia

North Carolina

New York

New Jersey

New Hampshire

Massachusetts

Maryland

Georgia

Delaware

Connecticut



```
uniq command
uniq list2.txt
Virginia
Connecticut
connecticut
Delaware
Georgia
Maryland
Massachusetts
New Hampshire
New Jersey
New York
North Carolina
Pennsylvania
Rhode Island
South Carolina
```

```
uniq -c list2.txt
    1 Virginia
    1 Connecticut
    1 connecticut
    1 Delaware
    1 Georgia
    1 Maryland
    1 Massachusetts
    1 New Hampshire
    1 New Jersey
    1 New York
    3 North Carolina
    1 Pennsylvania
    1 Rhode Island
    1 South Carolina
```

```
uniq -d list2.txt
```

```
North Carolina
```

```
uniq -u list2.txt
```

```
Virginia
Connecticut
connecticut
Delaware
Georgia
Maryland
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
South Carolina
```



```
tr command
echo Welcome To GeeksforGeeks | tr -d W
elcome To GeeksforGeeks
cat list1.txt | tr [a-z] [A-Z]
VIRGINIA
CONNECTICUT
DELAWARE
GEORGIA
MARYLAND
MASSACHUSETTS
NEW HAMPSHIRE
NEW JERSEY
NEW YORK
NORTH CAROLINA
echo my ID is 422104 | tr -d [:digit:]
my ID is
grep command
grep -i connect list2.txt
Connecticut
connecticut
grep -c 'connect' list2.txt
1
grep -w 'connect' list2.txt
New Hampshire
New Jersey
New York
grep -0 'connect' list2.txt
Connecticut
grep -n 'connect' list2.txt
11:North Carolina
12:North Carolina
13:North Carolina
```

11:North Carolina 12:North Carolina 13:North Carolina