

# Unix lab

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % cat state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan%
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % pr state.txt
```

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```
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan
```

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % pr -4 state.txt
```

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Andhra Pradesh	Goa	Karnataka	Rajasthan
Arunachal Pradesh	Gujarat	Kerala	
Assam	Himachal Pradesh	Maharashtra	

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % pr -t state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan
```

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % pr -d state.txt
```

```
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```

```
Andhra Pradesh
```

```
Arunachal Pradesh
```

```
Assam
```

```
Goa
```

```
Gujarat
```

```
Himachal Pradesh
```

```
Karnataka
```

```
Kerala
```

```
Maharashtra
```

```
Rajasthan
```

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % head state.txt numbers.txt
```

```
==> state.txt <==
```

```
Andhra Pradesh
```

```
Arunachal Pradesh
```

```
Assam
```

```
Goa
```

```
Gujarat
```

```
Himachal Pradesh
```

```
Karnataka
```

```
Kerala
```

```
Maharashtra
```

```
Rajasthan
```

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

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9
```

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % head -c 40 state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
G%
((base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % head -n 4 state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % tail -n 5 state.txt
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan%
```

```

(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % tail +5 state.txt
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
[Rajasthan%
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % cut -b 1,2,3 state.t
xt
And
Aru
Ass
Goa
Guj
Him
Kar
Ker
Mah
Raj
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % cut -b -4 state.txt
Andh
Arun
Assa
Goa
Guja
Hima
Karn
Kera
Maha
Raja
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % cut -c 2-5 state.txt
ndhr
runa
ssam
oa
ujar
imac
arna
eral
ahar
ajas
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % paste state.txt numb
ers.txt
Andhra Pradesh 1
Arunachal Pradesh 2
Assam 3
Goa 4
Gujarat 5
Himachal Pradesh 6
Karnataka 7
Kerala 8
Maharashtra 9
Rajasthan 10

```

```
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % paste -d "|" state.txt numbers.txt
Andhra Pradesh|1
Arunachal Pradesh|2
Assam|3
Goa|4
Gujarat|5
Himachal Pradesh|6
Karnataka|7
Kerala|8
Maharashtra|9
Rajasthan|10
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % sort state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % sort -r state.txt
Rajasthan
Maharashtra
Kerala
Karnataka
Himachal Pradesh
Gujarat
Goa
Assam
Arunachal Pradesh
Andhra Pradesh
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % uniq -c state.txt
  1 Andhra Pradesh
  1 Arunachal Pradesh
  1 Assam
  1 Goa
  1 Gujarat
  1 Himachal Pradesh
  1 Karnataka
  1 Kerala
  1 Maharashtra
  1 Rajasthan%
```

```
[(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % uniq -d state.txt
[(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % uniq -u state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Goa
Gujarat
Himachal Pradesh
Karnataka
Kerala
Maharashtra
Rajasthan%
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % cat state.txt | tr []
a-z] [A-Z]
zsh: no matches found: [a-z]
[(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % echo "welcome" | tr -d l
welcome
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % grep -i "maha" state.txt
Maharashtra
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % grep -c "assam" state.txt
0
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 % grep -c "Assam" state.txt
1
(base) dhruvsingh06543gmail.com@Dhruvs-MacBook-Pro 422138 %
```