Name - KARNATI CHARAN Roll No. - 422169 Section - A

UNIX COMMANDS AND SHELL SCRIPTING LAB

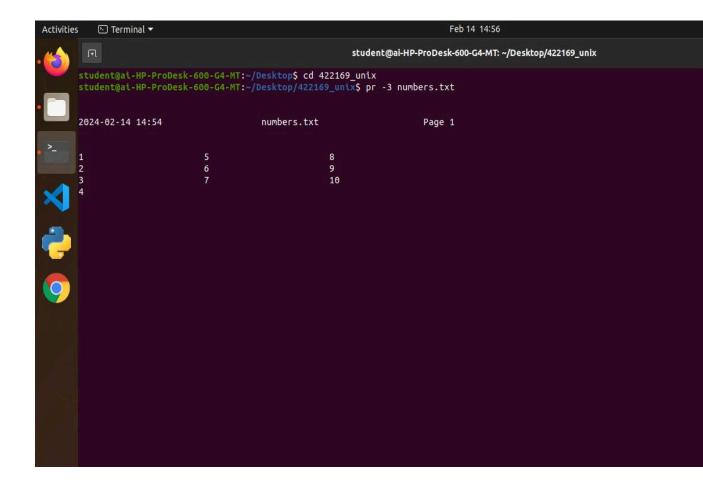
ASSIGNMENT – 1

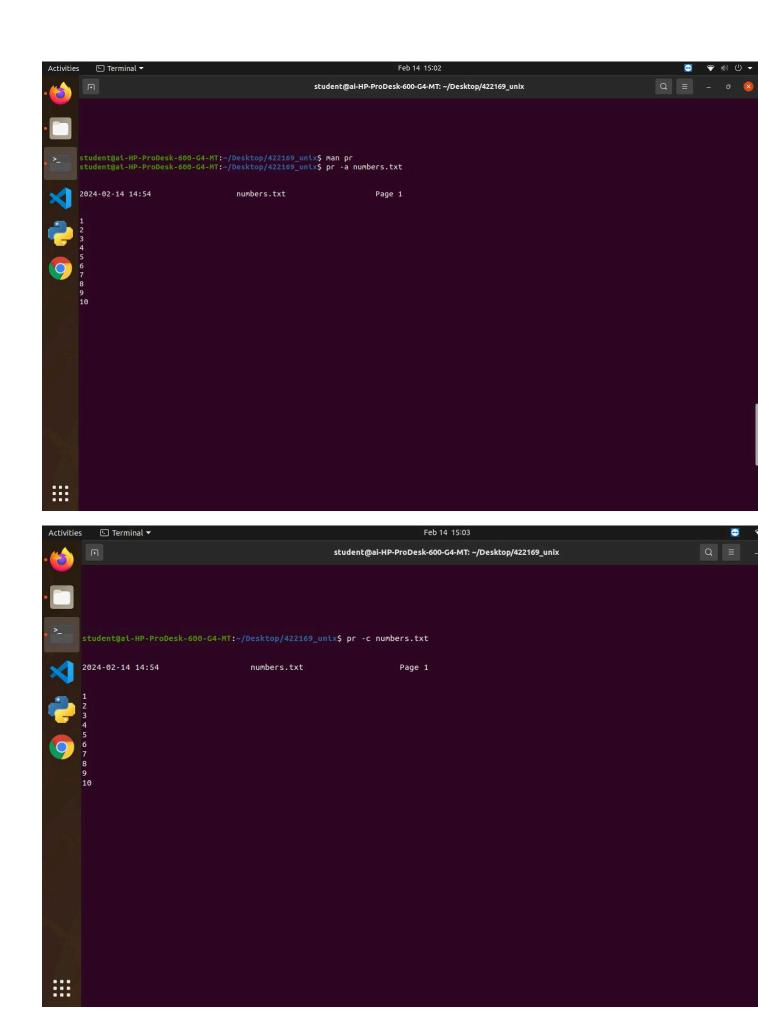
Q). Write shell script for searching for various patterns using grep, pr, head, tail,cut,paste, sort, uniq, and tr.

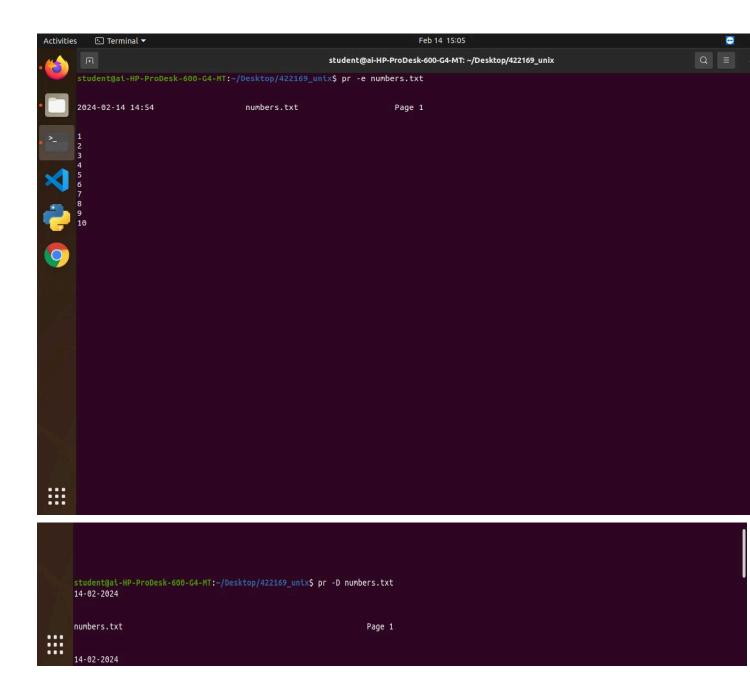
1. grep command.

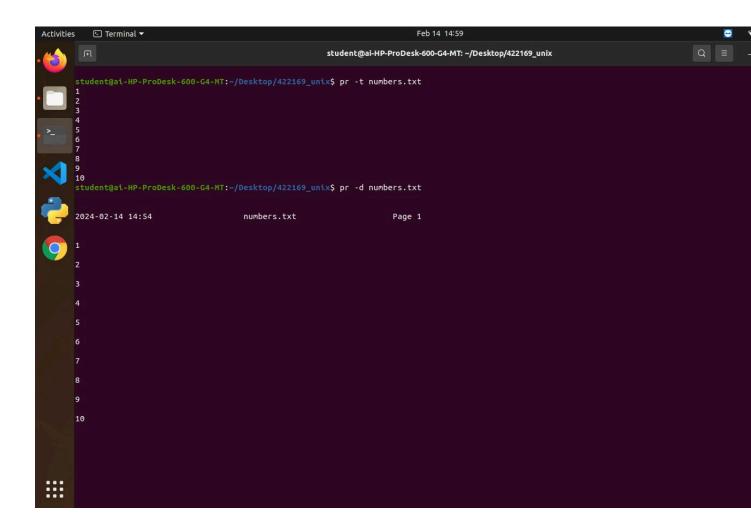
```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -i "is" file.txt
A Linux command is a program or utility that runs on the command line. A command line is an interface that accepts lines of text and processes them in
to instructions for your computer. Any graphical user interface (GUI) is just an abstraction of command-line programs.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -c "is" file.txt
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -l "is " *
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ grep -w "is" file.txt
A Linux command is a program or utility that runs on the command line. A command line is an interface that accepts lines of text and processes them in
to instructions for your computer. Any graphical user interface (GUI) is just an abstraction of command-line programs.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ grep -o "is" file.txt
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -n "is" file.txt
1:A Linux command ts a program or utility that runs on the command line. A command line ts an interface that accepts lines of text and processes them
into instructions for your computer. Any graphical user interface (GUI) is just an abstraction of command-line programs.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -v "is" file.txt
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ grep "^A" file.txt
A Linux command is a program or utility that runs on the command line. A command line is an interface that accepts lines of text and processes them in
to instructions for your computer. Any graphical user interface (GUI) is just an abstraction of command-line programs.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ grep "line$" file.txt
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169 unix$ grep -A1 is file.txt
A Linux command is a program or utility that runs on the command line. A command line is an interface that accepts lines of text and processes them in
to instructions for your computer. Any graphical user interface (GUI) is just an abstraction of command-line programs.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$
```

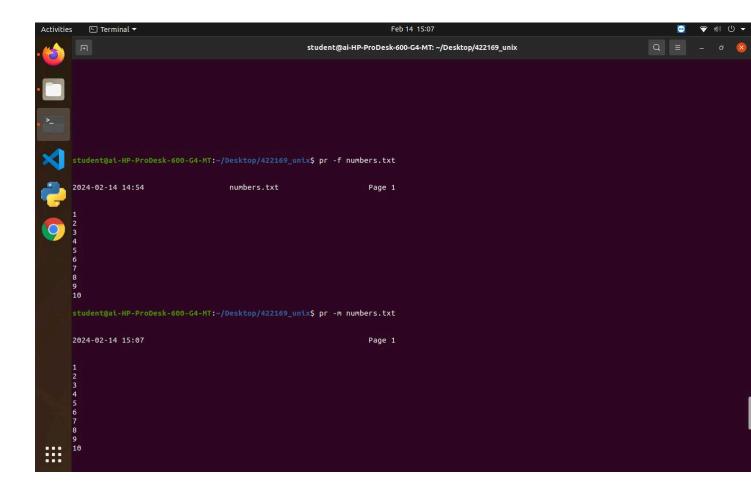
2.pr command

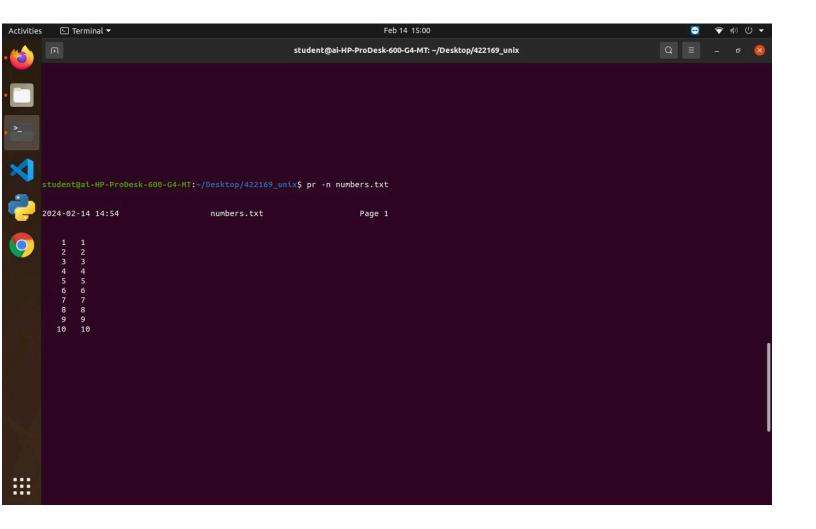




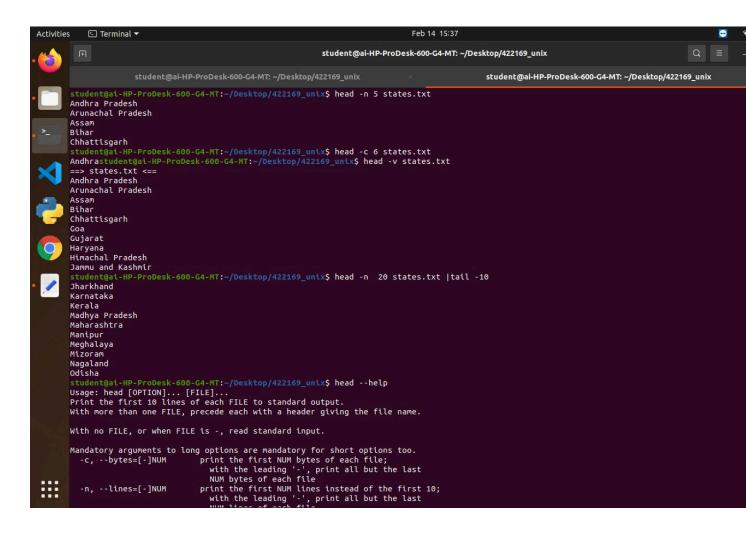


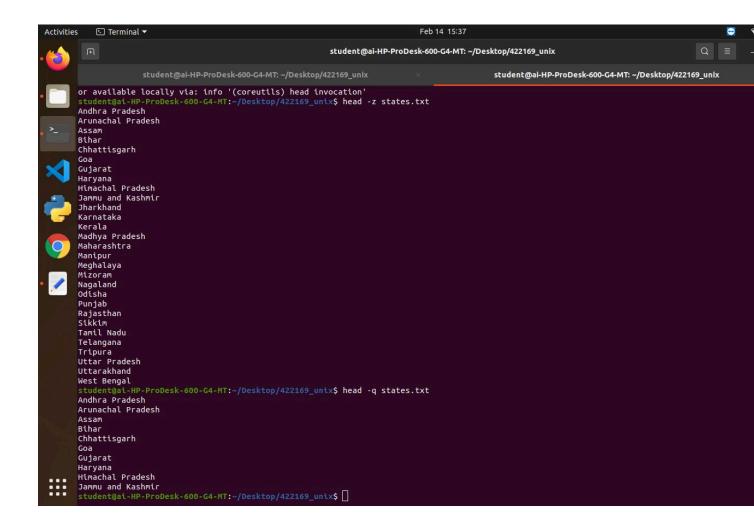






3) head command





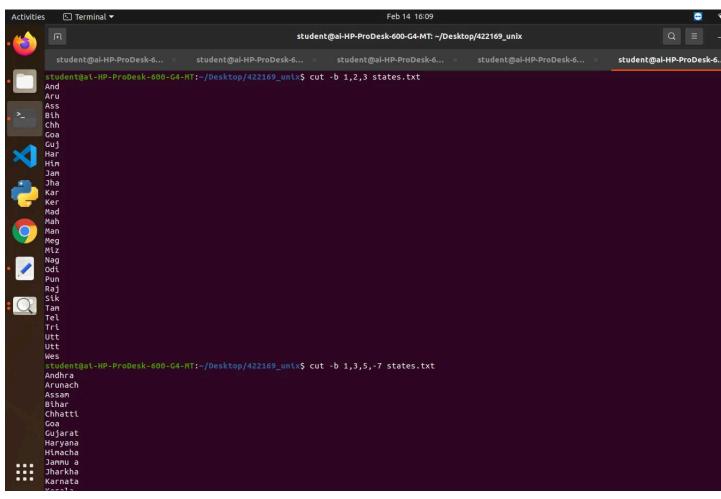
4)Tail command

West Bengal

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail states.txt
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttar Pradesh
Uttarakhand
West Bengal
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail -n 3 states.txt
Uttar Pradesh
Uttarakhand
West Bengal
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail -c 4 states.txt
gal
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail states.txt -q
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttar Pradesh
Uttarakhand
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail -v states.txt
==> states.txt <==
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttar Pradesh
Uttarakhand
West Bengal
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ tail -c +263 file.txt
grams.</pre>
```

5) cut command.



```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut --complement -c 5 states.txt
Andha Pradesh
Arunchal Pradesh
Assa
Biha
Chhatisgarh
Goa
Gujaat
Haryna
Himahal Pradesh
Jamm and Kashmir
Jharhand
Karntaka
Кегаа
Madha Pradesh
Mahaashtra
Maniur
Meghlaya
Mizoam
Nagaand
Odisa
Punjb
Rajathan
Sikkm
Tami Nadu
Telagana
Tripra
Utta Pradesh
Uttaakhand
WestBengal
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -d " " -f 1,2 states.txt --output-delimiter="%"
Andhra%Pradesh
Arunachal%Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal%Pradesh
Jammu%and
Jharkhand
Karnataka
Kerala
Madhya%Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil%Nadu
Telangana
Tripura
Uttar%Pradesh
Uttarakhand
West%Bengal
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut --complement -c 5 states.txt
Andha Pradesh
Arunchal Pradesh
Assa
Biha
Chhatisgarh
Goa
Gujaat
Haryna
Himahal Pradesh
Jamm and Kashmir
Jharhand
Karntaka
Кегаа
Madha Pradesh
Mahaashtra
Maniur
Meghlaya
Mizoam
Nagaand
Odisa
Punjb
Rajathan
Sikkm
Tami Nadu
Telagana
Tripra
Utta Pradesh
Uttaakhand
WestBengal
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -d " " -f 1 states.txt
```

```
Andhra
Arunachal
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal
Jammu
Jharkhand
Karnataka
Kerala
Madhya
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil
Telangana
Tripura
Uttar
Uttarakhand
```

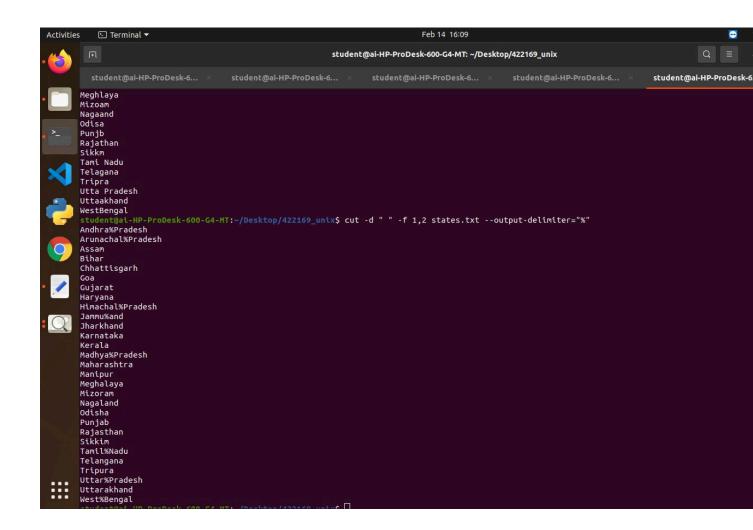
West

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -c 1- states.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu and Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttar Pradesh
Uttarakhand
```

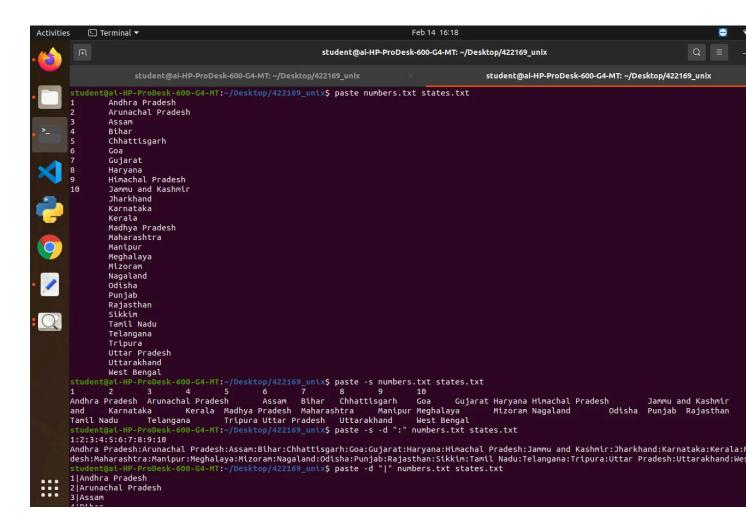
West Bengal

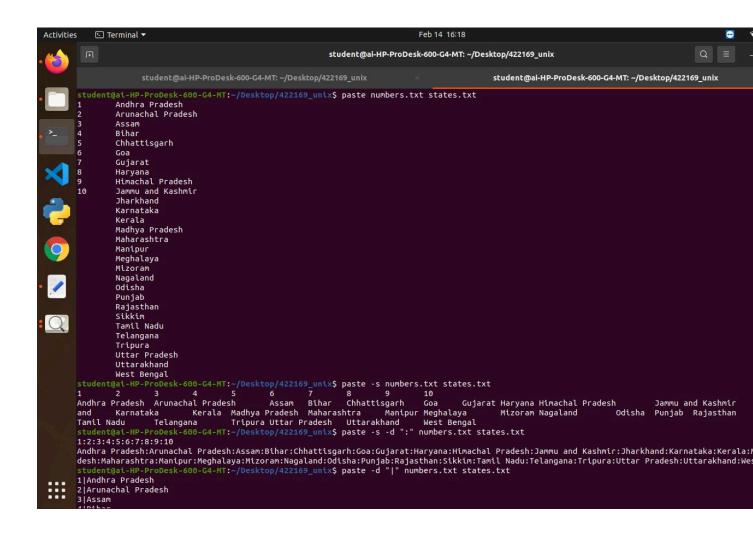
```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -c 2,5,7 states.txt
nr
rah
SM
ir
hti
0
urt
aaa
ica
aua
hka
aaa
el
ay
ars
арг
eaa
irm
aln
dh
ua
ash
ii
alN
ena
гиа
trP
trk
e e
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -b 1,3,5,-7 states.txt
Andhra
Arunach
Assam
Bihar
Chhatti
Goa
Gujarat
Haryana
Himacha
Jammu a
Jharkha
Karnata
Kerala
Madhya
Maharas
Manipur
Meghala
Mizoram
Nagalan
Odisha
Punjab
Rajasth
Sikkim
Tamil N
Telanga
Tripura
Uttar P
Uttarak
West Be
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422169_unix$ cut -b 1,2,3 states.txt
And
Aru
Ass
Bith
Chh
Goa
Guj
Har
Htm
Jam
Jha
Kar
Ker
Mad
Mah
Man
Meg
Miz
Nag
Odi
Pun
Raj
Sik
Tam
Tel
Tri
Utt
Utt
Utt
Utt
Wes
```

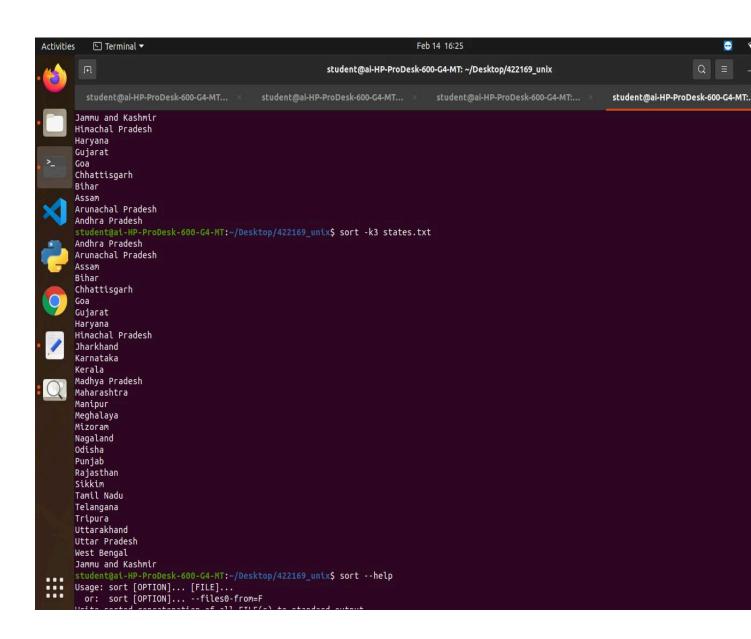


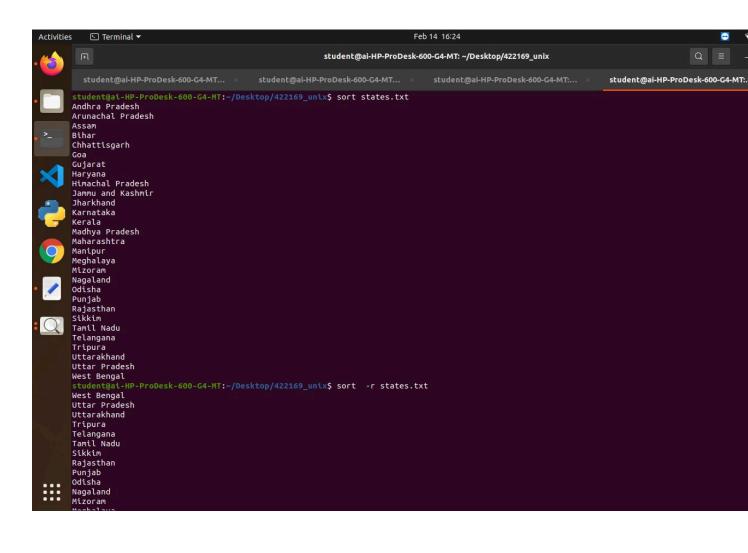
6)paste command

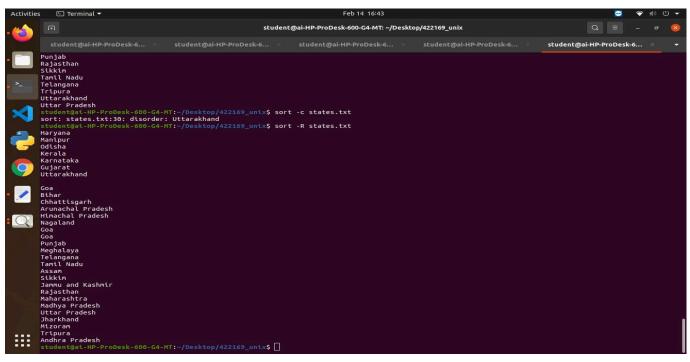


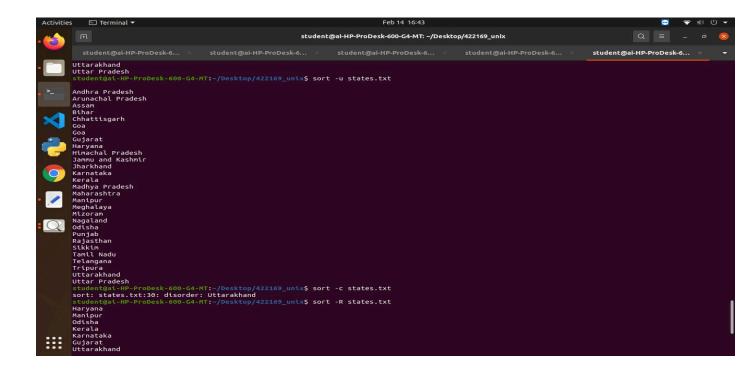


7) sort command



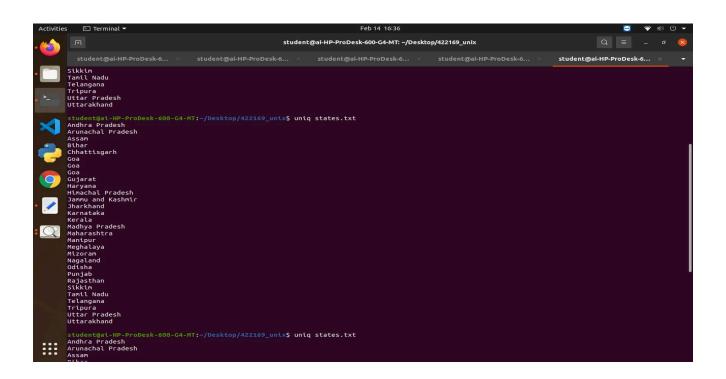


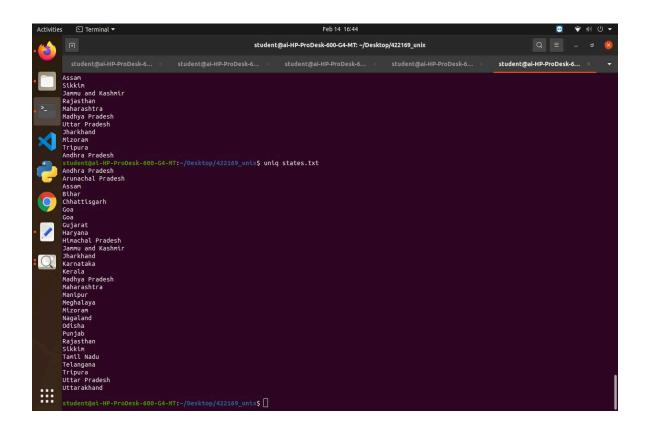




```
student@ai-HP-ProDesk-600-G4-MT:~<mark>/Desktop/422169_unix$ sort -i states.tx</mark>t
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Goa
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu and Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
```

8) uniq command





9) tr command

