

ASSIGNMENT -1

WEEK-3

NAME :Abhijeet

SEC:A

ROLL NO. :422101

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

SCREENSHOTS:

```
2. Delhi
3. Bangalore
4. Hyderabad
5. Ahmedabad
6. Chennai
7. Kolkata
8. Surat
9. Pune
10. Jaipur
11. Lucknow
12. Kanpur
13. Nagpur
14. Visakhapatnam
15. Indore
16. Thane
17. Bhopal
18. Pimpri-Chinchwad
19. Patna
20. Vadodara
21. Ghaziabad
22. Ludhiana
23. Agra
24. Nashik
25. Faridabad
26. Meerut
27. Rajkot
28. Kalyan-Dombivli
29. Vasai-Virar
30. Varanasi
31. Srinagar
32. Aurangabad
33. Dhanbad
34. Amritsar
35. Navi Mumbai
36. Allahabad
37. Ranchi
38. Howrah
39. Jabalpur
40. Gwalior
41. Vijayawada
42. Jodhpur
(base) abhijeet@abhijeets-MacBook-Pro 422101 %
```

```
((base) abhijeet@abhijeets-MacBook-Pro 422101 % cat cities
Hyderabad
Delhi
Mumbai
Chennai
Kolkata
Hyderabad
Delhi
Kolkata
Hyderabad
Delhi
Kolkata
nnai" cities
Chennai
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep "Delhi" cities
Delhi
Delhi
Delhi
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep "delhi" cities
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep -i "delhi" cities
Delhi
Delhi
Delhi
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep -n "Delhi" cities
2:Delhi
7:Delhi
10:Delhi
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep -c "Delhi" cities
3
((base) abhijeet@abhijeets-MacBook-Pro 422101 % grep -v "Delhi" cities
Hyderabad
Mumbai
Chennai
Kolkata
Hyderabad
Kolkata
Hyderabad
Kolkata
((base) abhijeet@abhijeets-MacBook-Pro 422101 %
```

```
((base) abhijeet@abhijeets-MacBook-Pro 422101 % cat cities
Hyderabad
Delhi
Mumbai
Chennai
Kolkata
Hyderabad
Delhi
Kolkata
Hyderabad
Delhi
Kolkata%
(base) abhijeet@abhijeets-MacBook-Pro 422101 % cat cities
Hyderabad
Delhi
Mumbai
Chennai
Kolkata
Hyderabad
Delhi
Kolkata
Hyderabad
Delhi
Kolkata%
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep -l "Delhi" cities citie2
cities
citie2
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep '^D' cities
Delhi
Delhi
Delhi
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep 'i$' cities
Delhi
Mumbai
Chennai
Delhi
Delhi
```

```
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep 'bad$' cities
Hyderabad
Hyderabad
Hyderabad
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep '[A-D]' cities
Delhi
Chennai
Delhi
Delhi
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep '[abd]' cities
Hyderabad
Mumbai
Chennai
Kolkata
Hyderabad
Kolkata
Hyderabad
Kolkata
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep '[aeiou]' cities
Hyderabad
Delhi
Mumbai
Chennai
Kolkata
Hyderabad
Delhi
Kolkata
Hyderabad
Delhi
Kolkata
(base) abhijeet@abhijeets-MacBook-Pro 422101 % grep '[^aeiou]' cities
Hyderabad
Delhi
Mumbai
Chennai
Kolkata
Hyderabad
Delhi
Kolkata
Hyderabad
Delhi
Kolkata
```

```
[(base) abhijeet@abhijeets-MacBook-Pro 422101 % more more.txt
```

```
1. Mumbai
2. Delhi
3. Bangalore
4. Hyderabad
5. Ahmedabad
6. Chennai
7. Kolkata
8. Surat
9. Pune
10. Jaipur
11. Lucknow
12. Kanpur
13. Nagpur
14. Visakhapatnam
15. Indore
16. Thane
17. Bhopal
18. Pimpri-Chinchwad
19. Patna
20. Vadodara
21. Ghaziabad
22. Ludhiana
23. Agra
24. Nashik
25. Faridabad
26. Meerut
27. Rajkot
28. Kalyan-Dombivli
29. Vasai-Virar
30. Varanasi
31. Srinagar
32. Aurangabad
33. Dhanbad
34. Amritsar
35. Navi Mumbai
36. Allahabad
37. Ranchi
38. Howrah
39. Jabalpur
40. Gwalior
41. Vijayawada
more.txt...skipping...
```

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13. Nagpur
14. Visakhapatnam
15. Indore
16. Thane
17. Bhopal
18. Pimpri-Chinchwad
19. Patna
20. Vadodara
21. Ghaziabad
22. Ludhiana
23. Agra
24. Nashik
25. Faridabad
26. Meerut
27. Rajkot
28. Kalyan-Dombivli
29. Vasai-Virar
30. Varanasi
31. Srinagar
32. Aurangabad
33. Dhanbad
34. Amritsar
35. Navi Mumbai
36. Allahabad
37. Ranchi
38. Howrah
39. Jabalpur
40. Gwalior
41. Vijayawada
42. Jodhpur

:■

```
student@a1-HP-ProDesk-600-G4-MT:~/422101$ pr -3 roll.txt

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10              48              55
12              56              48
16              68              23
54
```

```
student@a1-HP-ProDesk-600-G4-MT:~/422101$ cut -b 1,2,3 names.txt
raj
ver
sai
lik
tej
klr
man
har
cha
sur
student@a1-HP-ProDesk-600-G4-MT:~/422101$ cut -b -5 names.txt
raj
verna
sai
liklt
teja
kiram
manoj
hari
chand
surya
student@a1-HP-ProDesk-600-G4-MT:~/422101$ cut -b 3-7 names.txt
j
rna
l
kith
ja
ram
noj
rl
andu
rya
student@a1-HP-ProDesk-600-G4-MT:~/422101$ paste roll.txt names.txt
10      raj
12      verna
16      sai
54      liklth
48      teja
56      kiram
68      manoj
55      hari
48      chandu
23      surya
```



```
48
56
68
55
48
23
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -c roll.txt
  1 10
  1 12
  1 16
  1 54
  1 48
  1 56
  1 68
  1 55
  1 48
  1 23
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -d roll.txt
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -u roll.txt
10
12
16
54
48
56
68
55
48
23
student@ai-HP-ProDesk-600-G4-MT:~/422101$ cat names.txt | tr [a-z][A-Z]
tr: missing operand after '[a-z][A-Z]'
Two strings must be given when translating.
Try 'tr --help' for more information.
student@ai-HP-ProDesk-600-G4-MT:~/422101$ cat names.txt | tr [a-z] [A-Z]
RAJ
VERMA
SAI
LIKITH
TEJA
KIRAN
MANOJ
HARI
CHANDU
SURYA
student@ai-HP-ProDesk-600-G4-MT:~/422101$
```

```
56
68
student@ai-HP-ProDesk-600-G4-MT:~/422101$ sort -r roll.txt
68
56
55
54
48
48
23
16
12
10
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq roll.txt
10
12
16
54
48
56
68
55
48
23
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -c roll.txt
  1 10
  1 12
  1 16
  1 54
  1 48
  1 56
  1 68
  1 55
  1 48
  1 23
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -d roll.txt
student@ai-HP-ProDesk-600-G4-MT:~/422101$ uniq -u roll.txt
10
12
16
54
48
56
68
55
48
```

```
student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422101
student@ai-HP-ProDesk-600-G4-MT:~/422101$ pr rollno.txt

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raj
verma
sal
likith
teja
kiran
manoj
hart
chandu
surya
```

```
student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422101
student@ai-HP-ProDesk-600-G4-MT:~/422101$ pr rollno.txt

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raj
verma
sal
likith
teja
kiran
manoj
hart
chandu
surya
```