

ASSIGNMENT-1

WEEK-3

NAME :A.VISWA BHASKAR

SEC:A

ROLL NO. :422111

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

SCREENSHOTS:

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student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422111-unix
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! pr rollno.txt

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422111
422112
422116
422120
422113
422114
422115
422118
422119
422117
```

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student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! pr -3 rollno.txt
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2024-02-14 14:30
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rollno.txt
```

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```

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422111          422113          422118
422112          422114          422119
422116          422115          422117
422120
```

I

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Terminal
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! grep -i "dhruv" names.txt
dhruv
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! grep -c "dhruv" names.txt
1
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! grep -w "dhruv" names.txt
dhruv
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! grep -o "dhruv" names.txt
dhruv
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! grep -n "dhruv" names.txt
7:dhruv
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! head names.txt
harsh
viswa
ankit
jeetu
akhilesh
prince
dhruv
lohit
shriniwas
satyendra
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! head -n 2 names.txt
harsh
viswa
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! head -c 20 names.txt
harsh
viswa
ankit
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ head rollno.txt > names.txt
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ head names.txt
harsh
viswa
ankit
jeetu
akhilesh
prince
dhruv
lohit
shriniwas
satyendra
```

```
jeetu
akhilesh
prince
dhruv
lohith
shrinvras
satyendra
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! head -n 2 names.txt
harsh
viswa
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! head -c 20 names.txt
harsh
viswa
ankit
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ head rollno.txt > names.txt
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ head names.txt
harsh
viswa
ankit
jeetu
akhilesh
prince
dhruv
lohith
shrinvras
satyendra
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! tail rollno.txt
422111
422112
422116
422120
422113
422114
422115
422118
422119
422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ tail +5 rollno.txt
422113
422114
422115
422118
422119
422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ clear
```

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Terminal
422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! cut -b 1,2,3 names.txt
har
vis
ank
jee
akh
pri
dhr
loh
shr
sat
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! cut -b -5 names.txt
harsh
viswa
ankit
jeetu
akhil
princ
dhruv
lohith
shrln
satye
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! cut -b 3-7 names.txt
rsh
swa
ktt
etu
hiles
ince
ruv
hith
rintv
tyend
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! paste rollno.txt names.txt
\422111 harsh
422112 viswa
422116 ankit
422120 jeetu
422113 akhilesh
422114 prince
422115 dhruv
422118 lohith
422119 shrinvras
422117 satyendra
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! paste -d "." rollno.txt names.txt rollno.txt
```

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Terminal
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! paste -d "," rollno.txt names.txt rollno.txt
422111|harsh ,422111
422112|viswa,422112
422116|ankit ,422116
422120|jeetu,422120
422113|akhilesh,422113
422114|prince ,422114
422115|dhruv,422115
422118|lohith,422118
422119|shrivas,422119
422117|satyendra,422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! paste -s -d ":" rollno.txt names.txt rollno.txt
422111:422112:422116:422120:422113:422114:422115:422118:422119:422117
harsh :viswa:ankit :jeetu:akhilesh:prince :dhruv:lohith:shrivas:satyendra
422111:422112:422116:422120:422113:422114:422115:422118:422119:422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! sort rollno.txt
422111
422112
422113
422114
422115
422116
422117
422118
422119
422120
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! sort -r rollno.txt
422120
422119
422118
422117
422116
422115
422114
422113
422112
422111
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq rollno.txt
422111
422112
422116
422120
422113
422114
422115
```

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Terminal
422113
422112
422111
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq rollno.txt
422111
422112
422116
422120
422113
422114
422115
422118
422119
422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -c rollno.txt
1 422111
1 422112
1 422116
1 422120
1 422113
1 422114
1 422115
1 422118
1 422119
1 422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -d rollno.txt
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -u rollno.txt
422111
422112
422116
422120
422113
422114
422115
422118
422119
422117
student@a1-HP-ProDesk-600-G4-MT:~/422111-unix$ ! cat names.txt | tr [a-z] [A-Z]
HARSH
VISWA
ANKIT
JEETU
AKHILESH
PRINCE
DHRUV
LOHITH
```

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Terminal
422115
422118
422119
422117
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -c rollno.txt
 1 422111
 1 422112
 1 422116
 1 422120
 1 422113
 1 422114
 1 422115
 1 422118
 1 422119
 1 422117
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -d rollno.txt
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! uniq -u rollno.txt
422111
422112
422116
422120
422113
422114
422115
422118
422119
422117
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! cat names.txt | tr [a-z] [A-Z]
HARSH
VISWA
ANKIT
JEETU
AKHILESH
PRINCE
DHRUV
LOHITH
SHRINIVAS
SATYENDRA
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! echo "welcome to my world.... " | tr -d W
welcome to my world....
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! echo "welcome to my world.... " | tr -d w
elcome to my orld....
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$ ! echo "My rollno is 422111 " | tr -d [:digit:]
My rollno is
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix$
```