

ROLL NO : 422129

NAME : C.PURUSHOTHAM

SECTION:A

QUESTION:

(week3) :Write shell script for searching for various patterns using grep, pr, head, tail, cut, paste, sort, uniq, and tr.

GREP.SH

```
student@66:~/Desktop/422129$ cat list2.txt
tirupati
chennai
kandadu
yerpedu
chittor
srikalahasthi
srikalahasthi
srikalahasthi
srikalahasthi
hyderabad
hyderabad
hyderabad
hyderabad
bengaluru
student@66:~/Desktop/422129$ grep -i "tir" list2.txt
tirupati
student@66:~/Desktop/422129$ grep -c
Usage: grep [OPTION]... PATTERNS [FILE]...
Try 'grep --help' for more information.
student@66:~/Desktop/422129$ grep -c "srikalahasthi" list2.txt
4
student@66:~/Desktop/422129$ grep -w "tir" list2.txt
student@66:~/Desktop/422129$ grep -o "tirupati" list2.txt
tirupati
student@66:~/Desktop/422129$ grep -n "hyderabad" list2.txt
10:hyderabad
11:hyderabad
12:hyderabad
13:hyderabad
```

PR.SH

```
student@66:~$ cd Desktop
student@66:~/Desktop$ cd 422129
student@66:~/Desktop/422129$ pr text1.txt
```

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text1.txt

Page 1

1
2
3
4
5
6
7
8
9
0

```
student@66:~/Desktop/422129$ pr -t text1.txt
```

1
2
3
4
5
6
7
8
9
0

```
student@66:~/Desktop/422129$
```

```
student@66:~/Desktop/422129$ pr -3 text1.txt
```

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text1.txt

Page 1

1	5	8
2	6	9
3	7	0
4		

HEAD.sh

```
student@66:~/Desktop/422129$ head list1.txt
tirupati
chennai
kandadu
yerpedu
chittor
srikalabasthi
```

```
student@66:~/Desktop/422129$ head -n 2 list1.txt
tirupati
chennai
```

```
tirstudent@66:~/Desktop/422129$ head -c 30 list1.txt
tirupati
chennai
kandadu
yerpestudent@66:~/Desktop/422129$ head -v list1.txt
==> list1.txt <==
tirupati
chennai
kandadu
yerpedu
chittor
```

```
student@66:~/Desktop/422129$ head list1.txt text1.txt
==> list1.txt <==
tirupati
chennai
kandadu
yerpedu
chittor

==> text1.txt <==
1
2
3
4
5
6
7
8
9
0
student@66:~/Desktop/422129$ head text1.txt > text2.txt
student@66:~/Desktop/422129$ pr text2.txt
```

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text2.txt

Page 1

```
1
2
3
4
5
6
7
8
9
0
```

TAIL.sh

```
student@66:~/Desktop/422129$ tail +5 text2.txt
5
6
7
8
9
0
```

Cut.sh

```
student@66:~/Desktop/422129$ cat list1.txt
tirupati
chennai
kandadu
yerpedu
chittor
student@66:~/Desktop/422129$ cut -b 1,2,3 list1.txt
tir
che
kan
yer
chi
student@66:~/Desktop/422129$ cut -b -5 list1.txt
tirup
chenn
kanda
yerpe
chitt
student@66:~/Desktop/422129$ cut -c 3-7 list1.txt
rupat
ennai
ndadu
rpedu
ittor
student@66:~/Desktop/422129$
```

paste.sh

```

student@66:~/Desktop/422129$ paste list1.txt text1.txt
tirupati      1
chennai 2
kandadu 3
yerpedu 4
chittor 5
           6
           7
           8
           9
          0

student@66:~/Desktop/422129$ paste -d "|" list1.txt text2.txt text1.txt
1|1
2|2
3|3
4|4
5|5
6|6
7|7
8|8
9|9
0|0

student@66:~/Desktop/422129$ paste -d ":" list1.txt text1.txt text2.txt
tirupati:1:1
chennai:2:2
kandadu:3:3
yerpedu:4:4
chittor:5:5
:6:6
:7:7
:8:8
:9:9
:0:0

```

sort.sh

```

student@66:~/Desktop/422129$ sort list1.txt
chennai
chittor
kandadu
tirupati
yerpedu
student@66:~/Desktop/422129$ sort -r list1.txt
yerpedu
tirupati
kandadu
chittor
chennai

```

uniq.sh

```
student@66:~/Desktop/422129$ cat list2.txt
tirupati
chennai
kandadu
yerpedu
chittor
srikalahasthi
srikalahasthi
srikalahasthi
srikalahasthi
hyderabad
hyderabad
hyderabad
hyderabad
bengaluru
student@66:~/Desktop/422129$ uniq list2.txt
tirupati
chennai
kandadu
yerpedu
chittor
srikalahasthi
hyderabad
bengaluru
student@66:~/Desktop/422129$ uniq -c list2.txt
 1 tirupati
 1 chennai
 1 kandadu
 1 yerpedu
 1 chittor
 4 srikalahasthi
 4 hyderabad
 1 bengaluru
student@66:~/Desktop/422129$ uniq -d list2.txt
srikalahasthi
hyderabad
student@66:~/Desktop/422129$ uniq -u list2.txt
tirupati
chennai
kandadu
yerpedu
chittor
bengaluru
student@66:~/Desktop/422129$
```


Tr.sh

```
student@66:~/Desktop/422129$ cat list1.txt
tirupati
chennai
kandadu
yerpedu
chittor
student@66:~/Desktop/422129$ cat list1.txt | tr [a-z] [A-Z]
TIRUPATI
CHENNAI
KANDADU
YERPEDU
CHITTOR
student@66:~/Desktop/422129$ "Welcome To SHELL " | tr -d w
Welcome To SHELL : command not found
student@66:~/Desktop/422129$ ^C
student@66:~/Desktop/422129$ echo "Welcome To SHELL" | tr -d w
Welcome To SHELL
student@66:~/Desktop/422129$ echo "STUDENT ID : 422129" | tr -d [:digit:]
STUDENT ID :
student@66:~/Desktop/422129$
```