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**ROLL NO: 422178** 

SEC: A

**UNIX LAB WEEK 3** 

### **TOPIC:**

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

# 1)PR command

```
pavama22178@pavama22170-VirtualBox:-/Deaktop/422178_shell_Script/LABIS pr -W 30 file1.txt

2824-82-18 13105 file1.txt Page 1

Telengama
Tantinadu
Andreachtra
Gojaret
Janeurusanner
Assam
```

pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2\$ pr -t file1.txt Telangana Tanilinadu Karnataka Maharashtra Gujarat Jammu Kashnir Assan pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2\$ pr -T file1.txt Telangana Tanilinadu Karnataka Maharashtra Gujarat Jammu Kashnir Assan pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2\$ pr -w 50 file1.txt
2824-02-18 13:05 file1.txt Page 1
Telangana Tantinadu Karnataka Maharashtra Gujarat Jawwu Kashmir Assan

pavan422178@pavan422178-V		Cll_Script/LAB2\$ pr -s file1.txt	
2024-02-18 13:05	file1.txt	Page 1	
Telangana Tamilnadu			
Karnataka Maharashtra			
Gujarat Jammu Kashmir			
Assam			

	Anna Institution Institution in the	
avan422178@pavan422178-Virtual 2024-02-18 13:06	30x:~/Desktop/422178_shell_Scr file2.txt	ript/LAB2\$ pr -o 5 file2.txt Page 1
Hyderabad Chennat Bengaluru Mumbat Stinagar Olspur		
Dispur		

pavan422178@pavan422178-VirtualBox:-/Desktop/422178_ohell_Script/LABI\$ pr -N 10 file1.txt						
2024-02-18 13:05	file1.txt	Page 1				
Telangana Tantinadu Karnataka Habarashtra Gujarat Janru Kashnir Assan						

pavan42	:2178@pavan422178	8-VirtualBox:~/Desktop/422178_shell_S	icript/LAB2\$ pr -n file1.tx
2024-02	2-18 13:05	file1.txt	Page 1
3 4 5	Maharashtra Gujarat Jammu Kashmir		

pavan422178@pavan422178-VirtualBox:-/Desktop/42218_shell_Script/LAB2\$ pr -h "header" -n file1.txt file2.txt  2024-02-18 13:21 header Page 1  Telangana Hyderabad Tamilnadu Chennal Karnataka Bengaluru Habharashtra Numbai Gujarat Srinagar Jameu Kashmir Dispur  Assan					
Telangana Hyderabad Tantinadu Chennal Karnetaka Bengaluru Haharashtra Numbal Gujarat Srinagar Jamnu Kashntr Dispur	pavan422178@pavan422178-Vi		ll_Script/LAB2\$ pr -h "header"	-m file1.txt file2.txt	
Telangana Hyderabad Tamilnadu Chennal Karnataka Bengaluru Haharashtra Numbal Gujarat Srinagar Jamnu Kashur Dispur	2024-02-18 13:21	header	Page 1		
	Telangana Tamtinadu Karnataka Maharashtra Gujarat Jammu Kashmir	Hyderabad Chennal Bengaluru Mumbal Srinagar			

pavan422178@pavan422178-Virtual8	ox:~/Desktop/422178_shell_Scr	-lpt/LAB2\$ pr -l 30 file1.txt
2024-02-18 13:05	file1.txt	Page 1
Telangana Tamilinadu Karnataka Maharashtra Gujarat Jammu Kashmir Assam		
		ript/LAB2\$ pr -l 20 file2.txt
2024-02-18 13:06	file2.txt	Page 1
Hyderabad Chennai Bengaluru Mumbai Srinagar Dispur		

		ell_Script/LAB2\$ pr -i file1.tr
2024-02-18 13:05	file1.txt	Page 1
Telangana Tamilnadu Karnataka Maharashtra Gujarat Jammu Kashmir Assam		

pavan422178@pavan422178	-VirtualBox:~/Desktop/422178 sh	ell_Script/LAB2\$ pr -D "%Y-%d-%r
2024-18-02	file1.txt	Page 1
Telangana		
Telangana Tamilnadu		
Karnataka		
Maharashtra Gujarat		
Gujarat Jammu Kashmir		
Assam		

		shell_Script/LAB2\$ pr -d file1.txt
2024-02-18 13:05	file1.txt	Page 1
Telangana		
Tamilnadu		
Karnataka		
Maharashtra		
Gujarat		
Jammu Kashmir		
Assam		

Page 1

Hyderabad
Bengatur
Brinagar

Cleant
Broker
Br

pavand221780pavand22178-VirtualBox:-/Boxktop/422178\_shell\_Script/LABI\$ pr -a -2 flle1.txt flle2.txt

2024-02-18 13:05 file1.txt Page 1

Telengana Tantlandu Maharashtra
Gujarat Jamhu Kashmlr

Assan

pavan422178@pavan42217	/8-VirtualBox:~/Deskto	op/422178_shell_Scrip	t/LAB2\$ pr -3 fi
2024-02-18 13:05	file1.t	txt	Page 1
Telangana Tamilnadu Karnataka	Maharashtra Gujarat	Jammu Kashmir Assam	

pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2\$ cat file1.txt Ielangana Tamilnadu Karnataka Haharashtra Gujarat Jamnu Kashnir Assan pavan422178@pavan422178-VirtualBox:-/Besktop/422178_shell_Script/LAB2\$ cat file2.txt Hyderabad Chennal Bengaluru Humbal Srinagar Dispur pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2\$	

### 2)GRRP command

```
is

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep -n "is" file3.txt

1:The dog is an faithful animal.It helps the owner in number of ways.It is the most connected animal species to the human species.

2:hello is a word.

3:King is a word.

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep -v "is" file3.txt

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep "^king" file3.txt

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep "^King" file3.txt

King is a word.

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep "word$" file3.txt

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LABZ$ grep "word$" file3.txt
```

# 3)CUT command

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file1.txt

Telangana
Tamilnadu
Karnataka
Raharashtra
Gujarat
Janmu Kashmir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file2.txt
Hyderabad
Chennai
Bengaluru
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b 1,2,3 file1.txt

Tel
Tel
Tan
Kar
Rah
Kar
Rah
Kar
Rah
Guj
Jan
Ass
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b 1-3,5-7 file2.txt
Hydrab
Chenai
Benalu
Mumai
Sriaga
Disur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b 1-3,5-7 file2.txt
Hydrab
Chenai
Benalu
Mumai
Sriaga
Disur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b 1- file1.txt
```

```
pavand22178@pavand22178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b 1- file1.txt
Telangna
Tamlknadu
Karnataka
Maharashtra
Gujarat
Jammu Kashnir
Assam
pavand22178@pavand22178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -b -3 file2.txt
Hyd
Che
Ben
Mum
Sri
Dis
Davand22178@pavand22178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -c 2,5,7 file1.txt
ena
ala
aaa
ars
urt
auK
sn
pavand22178@pavand22178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cut -c -5 file1.txt
Telan
Tamil
Karna
Mahar
Gujar
Jamnu
Assam
```

### 4) HEAD command

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file1.txt

Telangana
Tanithadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file2.txt
Hyderabad
Chennai
Bengaluru
Humbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ head file1.txt
Telangana
Tanithadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ head -n 5 file2.txt
Hyderabad
Chennai
Bengaluru
Hyderabad
Telangaayan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ head -c 6 file1.txt
Telangaayan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ head file1.txt file2.txt
Telangaayan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ head file1.txt file2.txt
```

```
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ head -c 6 file1.txt
Telangpavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ head file1.txt file2.txt
==> file1.txt <==
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
==> file2.txt <==
Hyderabad
Chennai
Bengaluru
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ head -q file1.txt file2.txt Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
Hyderabad
Chennai
Bengaluru
Mumbai
Srinagar
```

#### 5)TAIL command

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file1.txt
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashnir
Assan
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file2.txt
Hyderabad
Chennai
Bengaluru
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ tall file1.txt
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashnir
Assan
Jammu Kashnir
```

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail -3 file2.txt
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail -n -3 file1.txt
Gujarat
Jamnu Kashnir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail +10 file1.txt
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail -c -5 file2.txt
spur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail -c 5 file2.txt
ssam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_script/LAB2$ tail file1.txt file2.txt
==> file1.txt <==
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jamnu Kashnir
Assam
==> file2.txt <==
Hyderabad
Chennat
Bengaluru
Mumbai
Srinagar
Dispur
Disp
```

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ tail -q file1.txt file2.txt
Telangana
Tamilnadu
Karnataka
Naharashtra
Gujarat
Jammu Kashmir
Assam
Hyderabad
Chennai
Bengaluru
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ tail -v file1.txt
==> file1.txt <==
Telangana
Tamilnadu
Karnataka
Naharashtra
Gujarat
Jammu Kashmir
Assam
Jammu Kashmir
Assam
Tamilnadu
(GNI coreutils) 8.32
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License GPLV3+: GNU GPL version 3 or later -https://gnu.org/licenses/gpl.html>.
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Written by Paul Rubin, David MacKenzie, Ian Lance Taylor,
```

### 6)PASTE command

```
oavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ cat file1.txt
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file2.txt Hyderabad Chennai
Bengaluru
Mumbai
Srinagar
Dispur
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ paste file1.txt file2.txt Telangana Hyderabad Tamilnadu Chennai
Karnataka
                  Bengaluru
Mumbai
Maharashtra
Gujarat Srinagar
Jammu Kashmir Dispur
Assam
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ paste -d "|" file1.txt file2.txt
Telangana|Hyderabad
Tamilnadu|Chennai
Karnataka|Bengaluru
Maharashtra|Mumbai
Gujarat|Srinagar
Jammu Kashmir|Dispur
Assam|
```

```
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ paste -s file1.txt file2.txt

Telangana Tamilnadu Karnataka Maharashtra Gujarat Jammu Kashmir Assam

Hyderabad Chennai Bengaluru Mumbai Srinagar Dispur

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ paste -s -d "|," file1.txt file2.txt

Telangana|Tamilnadu,Karnataka|Maharashtra,Gujarat|Jammu Kashmir,Assam

Hyderabad|Chennai,Bengaluru|Mumbai,Srinagar|Dispur

pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
```

## 7) SORT command

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file1.txt
Telangana
Tamilnadu
Karnataka
Maharashtra
Gujarat
Jammu Kashmir
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file2.txt
Hyderabad
Chennat
Bengaluru
Mumbal
Srinagar
Dispur
Pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ sort file1.txt
Assam
Gujarat
Jammu Kashmir
Karnataka
Maharashtra
Tamilnadu
Telangana
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ sort file2.txt
Bengaluru
Telangana
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ sort file2.txt
Bengaluru
Telangana
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ sort file2.txt
Bengaluru
Chennai
Dispur
Hyderabad
Numbai
Srinagar
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ sort -r file1.txt
```

```
Tamilnadu
Maharashtra
Karnataka
Jamwu Kashmir
Cujarat
Assam
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LABZ$ sort -k1 file2.txt
Bengaluru
Chennai
Dispur
Hyderabad
Mumbai
Srinagar
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LABZ$ sort -b file1.txt
Assam
Gujarat
Jamwu Kashmir
Karnataka
Maharashtra
Tamilnadu
Telangana
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LABZ$ sort -R file1.txt
Gujarat
Jamwu Kashmir
Tamilnadu
Telangana
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LABZ$ sort -R file1.txt
Gujarat
Maharashtra
Tamilnadu
Kashmir
Telangana
Tamilnadu
Karnataka
Jamwu Kashmir
Telangana
Tamilnadu
Karnataka
Jamwu Kashmir
Telangana
Tamilnadu
Karnataka
Jamwu Kashmir
Telangana
Davan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LABZ$ sort -i file2.txt
Bengaluru
```

```
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ sort -i file2.txt
Bengaluru
Chennai
Dispur
Hyderabad
Mumbai
Srinagar
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ sort -f file2.txt
Bengaluru
Chennai
Dispur
Hyderabad
Mumbai
Srinagar
avan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
Sort -f file2.txt
Bengaluru
Chennai
Dispur
Hyderabad
Mumbai
Srinagar
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
```

### 8) UNIQ command

```
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ cat file4.txt
ASSAM
ASSAM
TELANCANA
TELANCANA
GUJARAT
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ uniq file4.txt
ASSAM
TELANCANA
GUJARAT
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ uniq -c file4.txt
2 ASSAM
3 TELANCANA
1 GUJARAT
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ uniq -d file4.txt
ASSAM
TELANCANA
1 GUJARAT
pavan422178@pavan422178-VirtualBox:-/Desktop/422178_shell_Script/LAB2$ uniq -d file4.txt
ASSAM
TELANCANA
```

```
TELANGANA
GUJARAT
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ uniq -w 2 file4.txt
ASSAM
TELANGANA
GUJARAT
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ uniq -z file4.txt
ASSAM
ASSAM
TELANGANA
TELANGANA
TELANGANA
TELANGANA
TELANGANA
TELANGANA
TELANGANA
GUJARAT
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
```

## 9)TR command

```
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ cat file5.txt | tr [a-z] [A-Z]
WELCOME TO
NIT AP
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ cat file5.txt | tr [space:] "\t"
Welcome To NIT AP
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ cat file5.txt | tr [:space:] "\t"
Welcome To NIT AP pavan422178@pavan422178@pavan422178_VirtualBox:~/Desktop/422178_shell_Script/LAB2$
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ tr -cd [:digit:] <<< "my ID is 73535"
73535pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$ tr -d W <<< "Welcome to GeeksforGeeks"
elcome to GeeksforGeeks
pavan422178@pavan422178-VirtualBox:~/Desktop/422178_shell_Script/LAB2$
```