

Unix assignment 1

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Section : A

Grep

```
#!/bin/bash
```

```
echo -e 'grep -i : Ignoring case sensitivity\n'; grep -i "LINUX" textl.txt;
```

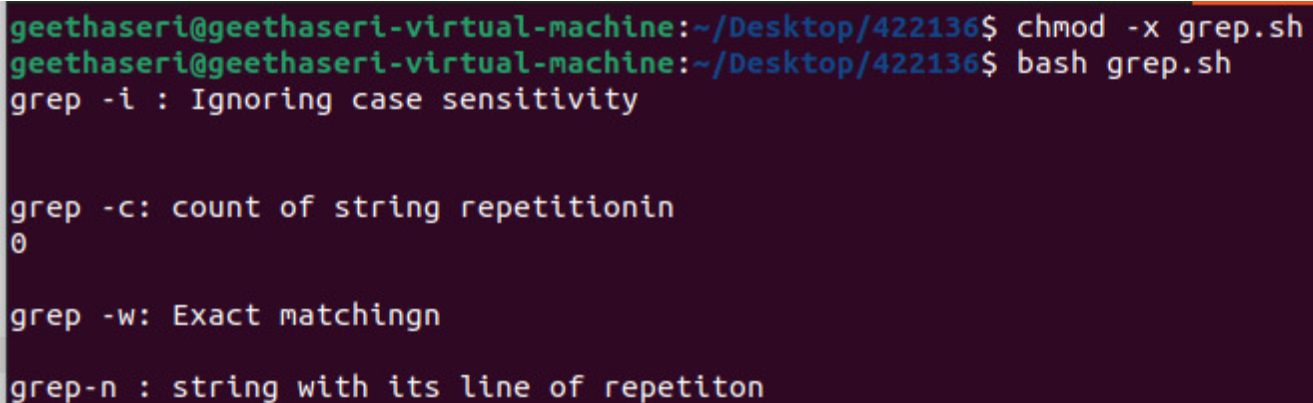
```
echo -e '\ngrep -c: count of string repetition\n';
```

```
grep -c "Linux" textl.txt;
```

```
echo -e '\ngrep -w: Exact matching\n'; grep -w "Linux" text.txt;
```

```
echo -e '\ngrep -n : string with its line of repetiton\n';
```

```
grep -n "Linux" text.txt;
```

A terminal window with a dark purple background. The prompt is 'geethaseri@geethaseri-virtual-machine:~/Desktop/422136\$'. The user enters 'chmod -x grep.sh'. The prompt changes to 'geethaseri@geethaseri-virtual-machine:~/Desktop/422136\$' and the user enters 'bash grep.sh'. The script output is shown: 'grep -i : Ignoring case sensitivity', 'grep -c: count of string repetition\n' followed by '0', 'grep -w: Exact matching\n', and 'grep -n : string with its line of repetiton\n'.

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x grep.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash grep.sh
grep -i : Ignoring case sensitivity

grep -c: count of string repetition\n
0

grep -w: Exact matching\n

grep -n : string with its line of repetiton\n
```

Pr

```
#!/bin/bash
```

```
echo -e "pr text1.txt OUTPUT:\n";
```

```
pr text2.txt;
```

```
echo -e "\npr -t text1.txt OUTPUT:\n";
```

```
pr -t text2.txt;
```

```
echo -e "\npr -d text1.txt OUTPUT:\n";
```

```
pr -d text2.txt;
```

```
echo -e "\npr -5 text1.txt OUTPUT:\n";
```

```
pr -5 text2.txt;
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x pr.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash pr.sh
pr text1.txt OUTPUT:
```

2024-02-16 18:38

text2.txt

Page 1

1
2
3
4
5
6
7

```
pr -t text1.txt OUTPUT:
```

1
2
3
4
5
6
7

```
pr -d text1.txt OUTPUT:
```

2024-02-16 18:38

text2.txt

Page 1

1
2

```
4
5
6
7
```

```
pr -5 text1.txt OUTPUT:
```

```
2024-02-16 18:38
```

```
text2.txt
```

```
Page 1
```

```
1          3          5          6          7
2          4
```

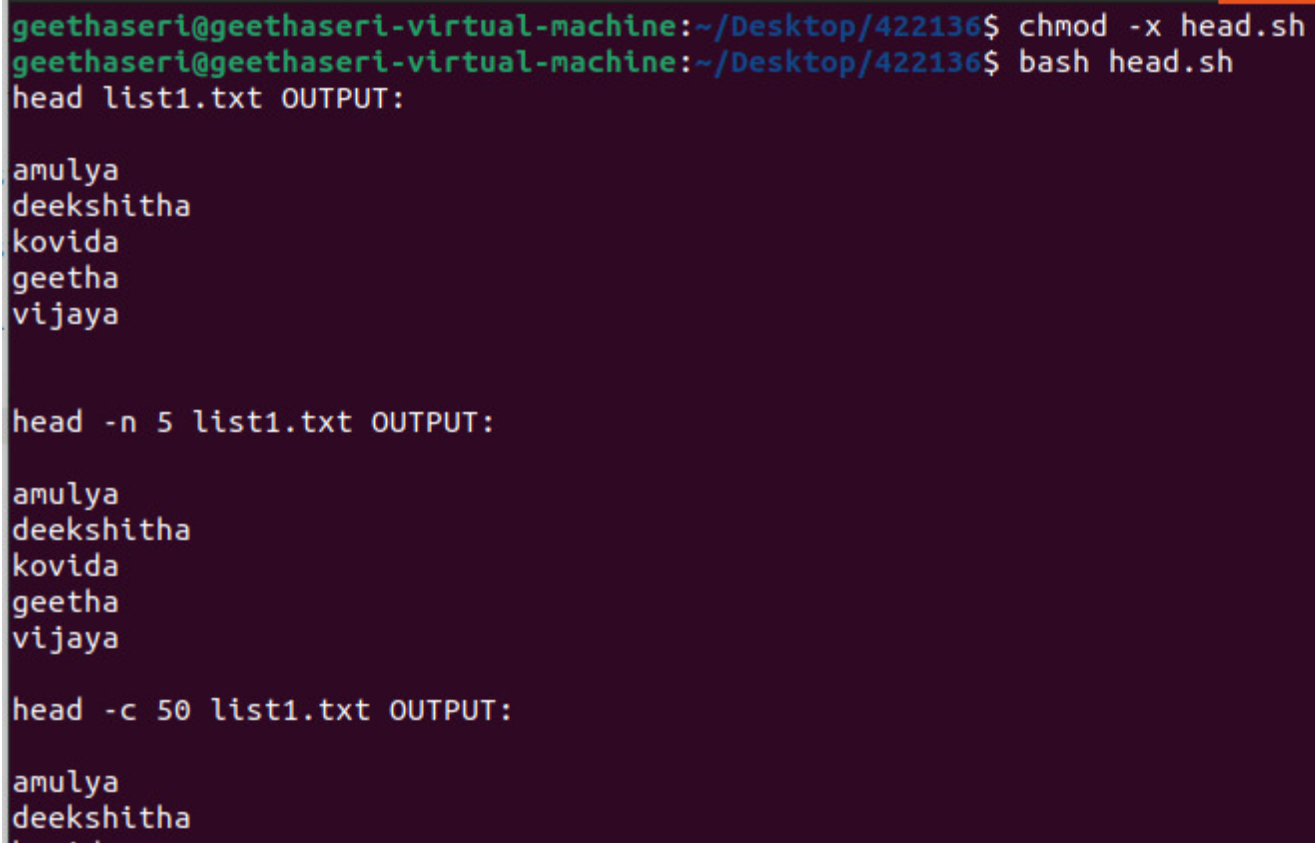
Head

```
#!/bin/bash
```

```
echo -e "head list1.txt OUTPUT:\n";
```

```
head list1.txt;
```

```
echo -e "\nhead -n 5 list1.txt OUTPUT:\n";
head -n 5 list1.txt;
echo -e "\nhead -c 50 list1.txt OUTPUT:\n";
head -c 50 list1.txt;
echo -e "\nhead -v list1.txt OUTPUT:\n";
head -v list1.txt;
echo -e "\nhead list1.txt text2.txt OUTPUT:\n";
head list1.txt text2.txt;
echo -e "\nhead list1.txt > name.txt OUTPUT:\n";
head list1.txt > name.txt;
```



```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x head.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash head.sh
head list1.txt OUTPUT:

amulya
deekshitha
kovida
geetha
vijaya

head -n 5 list1.txt OUTPUT:

amulya
deekshitha
kovida
geetha
vijaya

head -c 50 list1.txt OUTPUT:

amulya
deekshitha
```

```
amulya
deekshitha
kovida
geetha
vijaya
```

```
head -v list1.txt OUTPUT:
```

```
==> list1.txt <==
amulya
deekshitha
kovida
geetha
vijaya
```

```
head list1.txt text2.txt OUTPUT:
```

```
==> list1.txt <==
amulya
deekshitha
kovida
```

```
head list1.txt text2.txt OUTPUT:
```

```
==> list1.txt <==
amulya
deekshitha
kovida
geetha
vijaya
```

```
==> text2.txt <==
1
2
3
4
5
6
7
```

```
head list1.txt > name.txt OUTPUT:
```

Tail

```
#!/bin/bash
```

```
echo -e "tail +5 list1.txt OUTPUT:\n";
```

```
tail +5 list1.txt;
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x tail.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash tail.sh
tail +5 list1.txt OUTPUT:
vijaya
```

Cut

Cut.sh

```
#!/bin/bash
```

```
echo -e "cut -b 1,2,3 list1.txt OUTPUT:\n"
```

```
cut -b 1,2,3 list1.txt
```

```
echo -e "\ncut -b -5 list1.txt OUTPUT:\n"
```

```
cut -b -5 list1.txt
```

```
echo -e "\ncut
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x cut.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash cut.sh
cut -b 1,2,3 list1.txt OUTPUT:
amu
dee
kov
gee
vij

cut -b -5 list1.txt OUTPUT:
amuly
deeks
kovid
geeth
vijay
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x cut.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash cut.sh
head list1.txt OUTPUT:

amulya
deekshitha
kovida
geetha
vijaya

head -n 5 list1.txt OUTPUT:

amulya
deekshitha
kovida
geetha
vijaya

head -c 50 list1.txt OUTPUT:

amulya
deekshitha
text2.txt
```

Paste

```
#!/bin/bash
echo -e "paste list1.txt text2.txt OUTPUT:\n";
paste list1.txt text2.txt;
echo -e "\npaste -d "|," list1.txt text2.txt text2.txt OUTPUT:\n";
paste -d "|," list1.txt text2.txt text2.txt;
echo -e "\npaste -s -d list1.txt text2.txt text2.txt OUTPUT:\n";
paste -s -d ":" list1.txt text2.txt text2.txt;
```

```

geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x paste.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash paste.sh
paste list1.txt text2.txt OUTPUT:

amulya 1
deekshitha 2
kovida 3
geetha 4
vijaya 5
        6
        7
paste.sh: line 4: , list1.txt text2.txt text2.txt OUTPUT:\n: command not found
amulya|1,1
deekshitha|2,2
kovida|3,3
geetha|4,4
vijaya|5,5
|6,6
|7,7

paste -s -d list1.txt text2.txt text2.txt OUTPUT:

amulya:deekshitha:kovida:geetha:vijaya:

```

```

paste list1.txt text2.txt OUTPUT:

amulya 1
deekshitha 2
kovida 3
geetha 4
vijaya 5
        6
        7
paste.sh: line 4: , list1.txt text2.txt text2.txt OUTPUT:\n: command not found
amulya|1,1
deekshitha|2,2
kovida|3,3
geetha|4,4
vijaya|5,5
|6,6
|7,7

paste -s -d list1.txt text2.txt text2.txt OUTPUT:

amulya:deekshitha:kovida:geetha:vijaya:
1:2:3:4:5:6:7
1:2:3:4:5:6:7

```

Sort

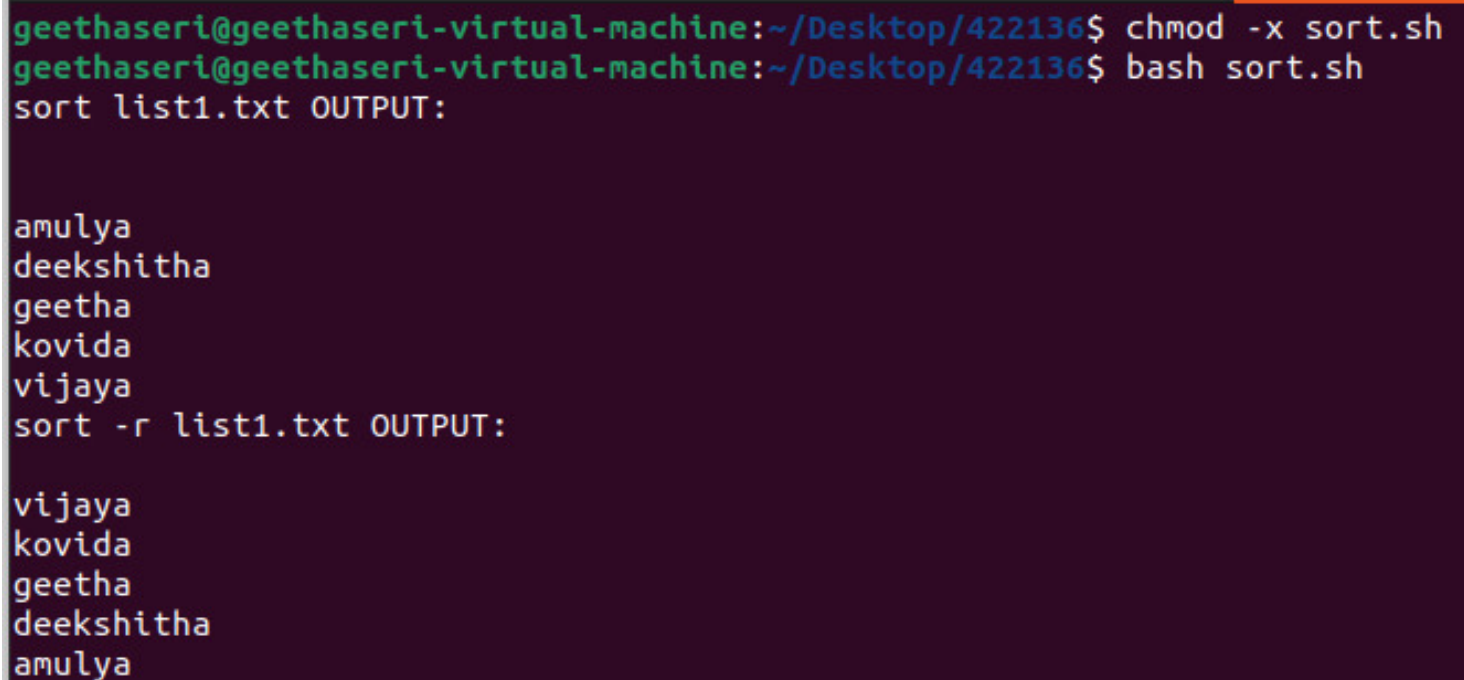
```

#!/bin/bash
echo -e "sort list1.txt OUTPUT:\n";
sort list1.txt;

```



```
echo -e "sort -r list1.txt OUTPUT:\n";  
sort -r list1.txt;
```



```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x sort.sh  
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash sort.sh  
sort list1.txt OUTPUT:  
  
amulya  
deekshitha  
geetha  
kovida  
vijaya  
sort -r list1.txt OUTPUT:  
  
vijaya  
kovida  
geetha  
deekshitha  
amulya
```

Uniq

```
#!/bin/bash  
echo -e "uniq list1.txt OUTPUT:\n";  
uniq list1.txt;  
echo -e "\nuniq -c list1.txt OUTPUT:\n";  
uniq -c list1.txt;  
echo -e "\nuniq -d list1.txt OUTPUT:\n";  
uniq -d list1.txt;  
echo -e "\nuniq -u list1.txt OUTPUT:\n";  
uniq -u list1.txt;
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x uniq.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash uniq.sh
uniq list1.txt OUTPUT:

uniq: list1.txt: No such file or directory

uniq -c list1.txt OUTPUT:

uniq: list1.txt: No such file or directory

uniq -d list1.txt OUTPUT:

uniq: list1.txt: No such file or directory

uniq -u list1.txt OUTPUT:

uniq: list1.txt: No such file or directory
```

Tr

```
#!/bin/bash
```

```
echo -e "cat list1.txt | tr [a-z] [A-Z] OUTPUT:\n";
cat list1.txt | tr [a-z] [A-Z];
echo -e "\necho "Hello World!" | tr -d -o OUPTUT:\n";
echo "Hello World!" | tr -d -o;
echo -e "\necho "My Roll no : 422176" | tr -d [:digit:]\n";
echo "My Roll no : 422176" | tr -d [:digit:];
```

```
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ chmod -x tr.sh
geethaseri@geethaseri-virtual-machine:~/Desktop/422136$ bash tr.sh
cat list1.txt | tr [a-z] [A-Z] OUTPUT:

cat: list1.txt: No such file or directory

echo Hello World! | tr -d -o OUPTUT:

tr: invalid option -- 'o'
Try 'tr --help' for more information.

echo My Roll no : 422136 | tr -d [:digit:]

My Roll no :
```