ROLL NO : 422176

NAME : KOTA VENKATA CHARAN TEJA

SECTION:A

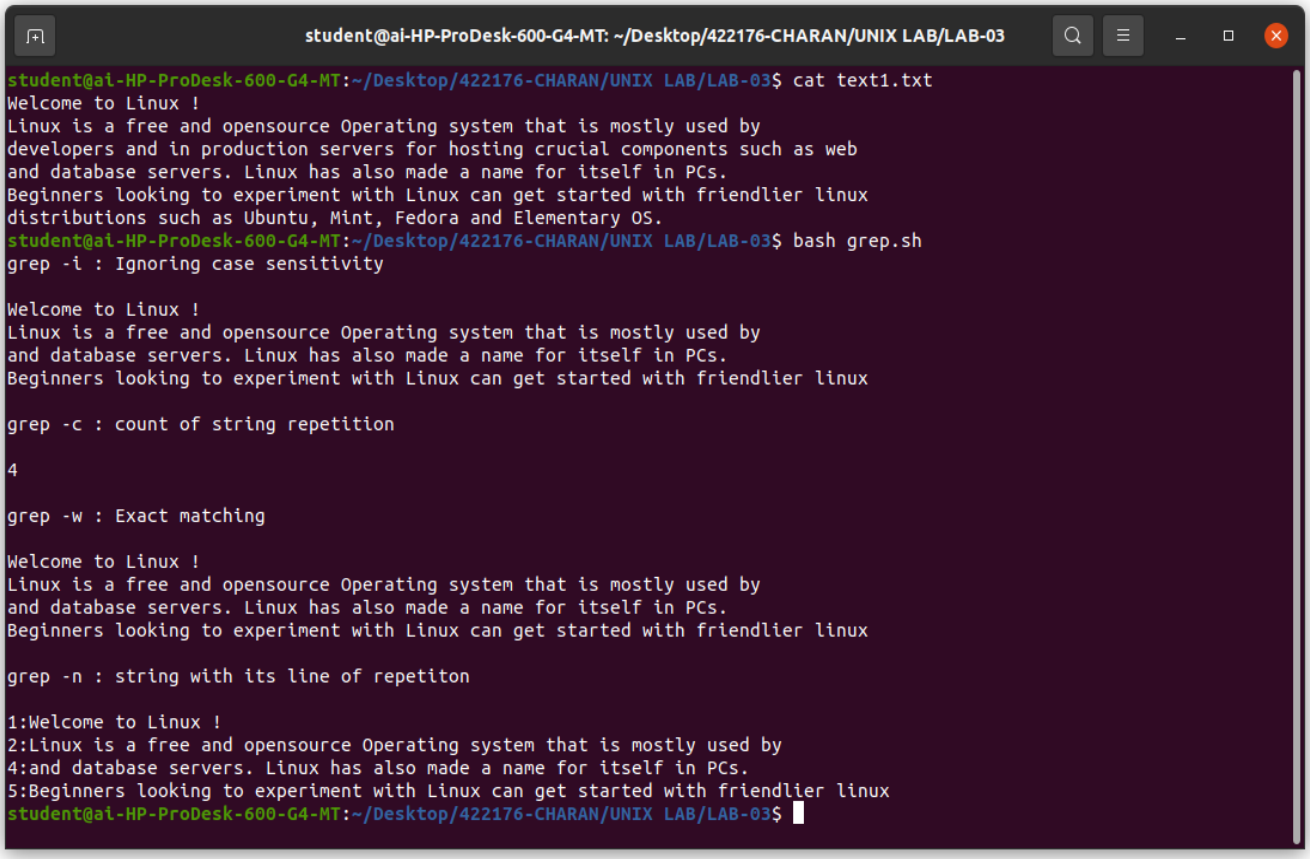
QUESTION:

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

GREP.SH

```
#!bin/bash
echo -e 'grep -i : Ignoring case sensitivity\n';
grep -i "LINUX" text1.txt;
echo -e '\ngrep -c : count of string repetition\n';
grep -c "Linux" text1.txt;
echo -e '\ngrep -w : Exact matching\n';
grep -w "Linux" text1.txt;
echo -e '\ngrep -n : string with its line of repetiton\n';
grep -n "Linux" text1.txt;
```

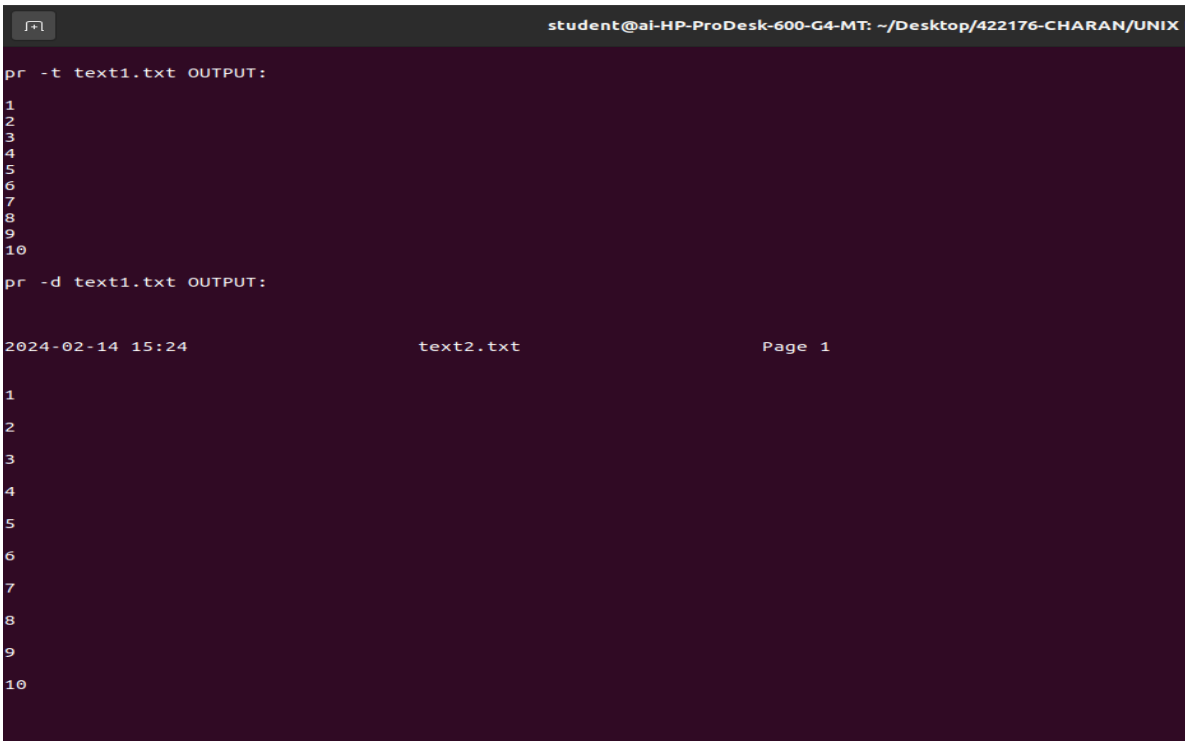
OUTPUT:

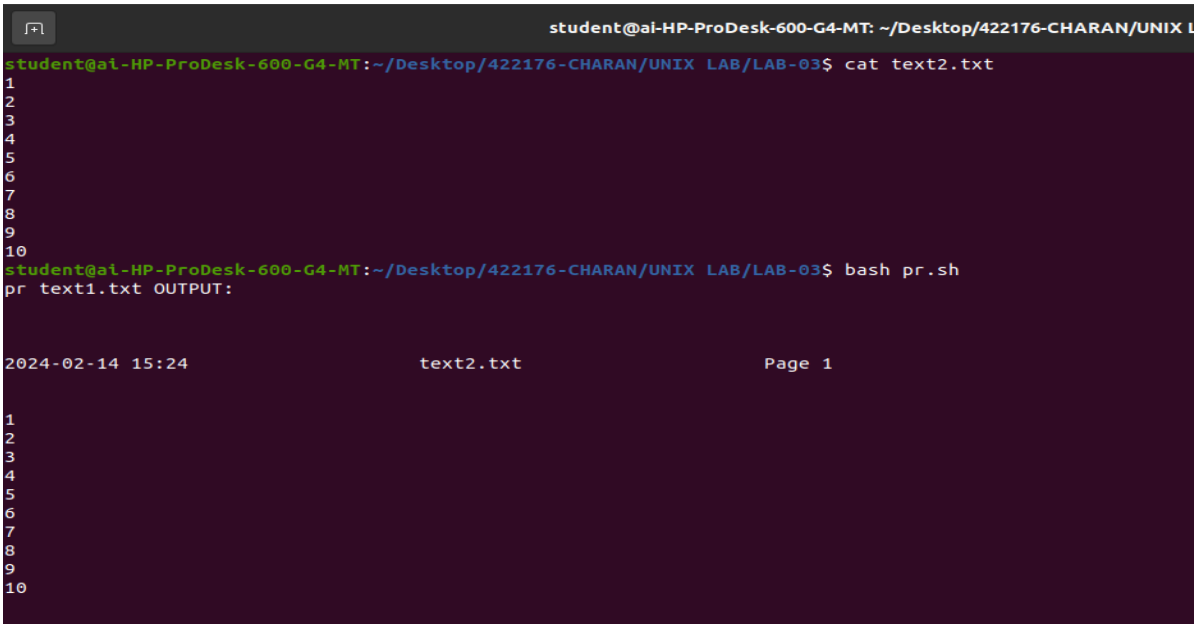


PR.SH

```
#!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;
```

OUTPUT:





```
pr -5 text1.txt OUTPUT:


2024-02-14 15:24                    text2.txt                    Page 1

1               3               5               7               9
2               4               6               8               10
```

HEAD.sh

```
#!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;
```

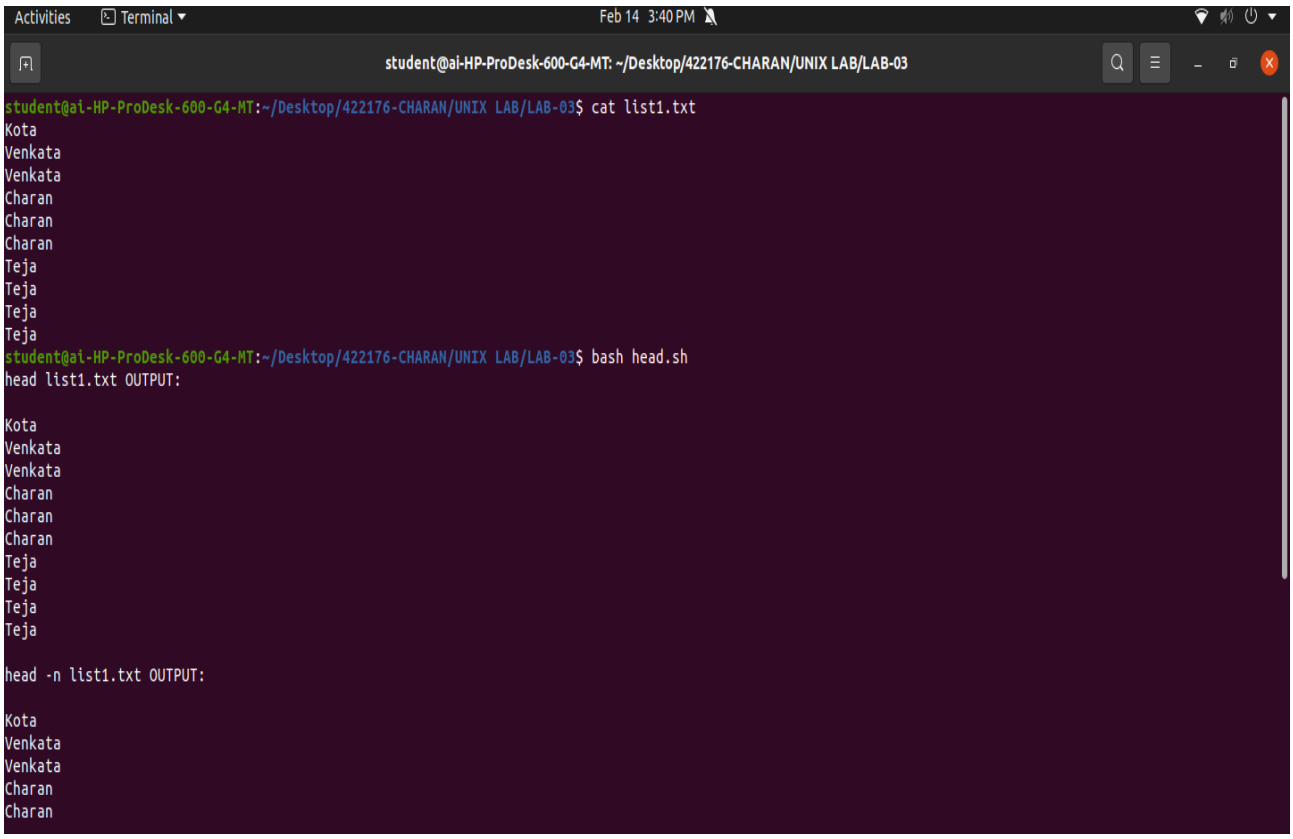
OUTPUT:

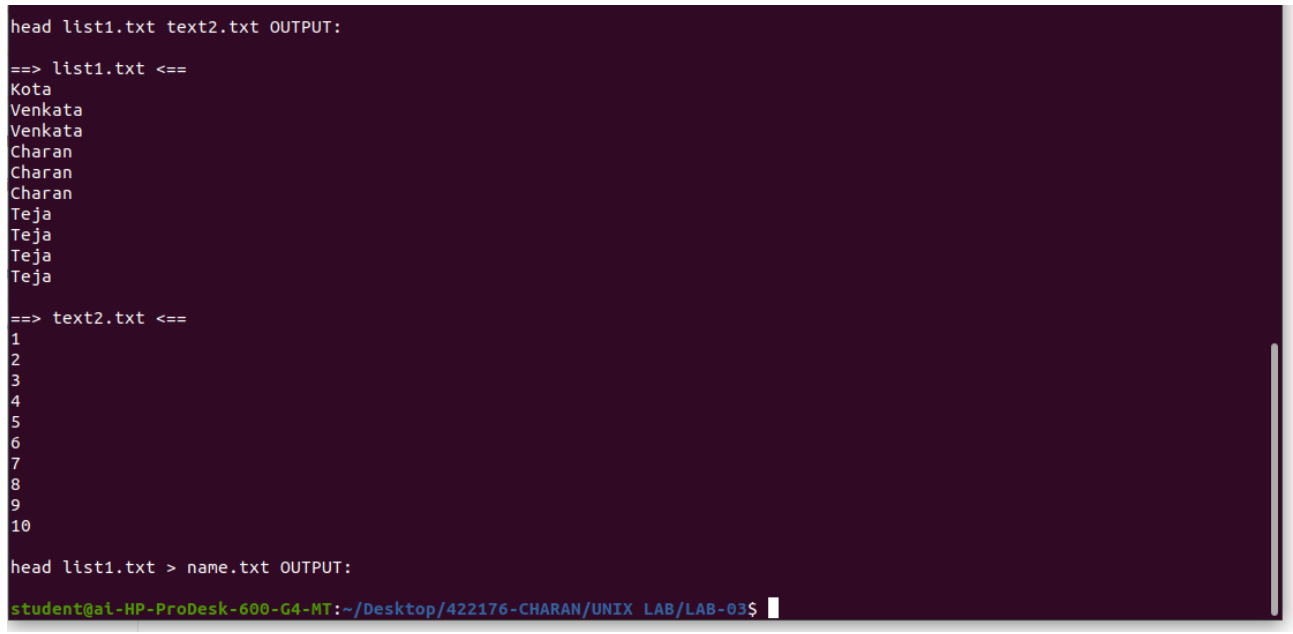
```
head -c 50 list1.txt OUTPUT:

Kota
Venkata
Venkata
Charan
Charan
Charan
Teja
Tej
head -v list1.txt OUTPUT:

==> list1.txt <==
Kota
Venkata
Venkata
Charan
Charan
Charan
Teja
Teja
Teja
Teja

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



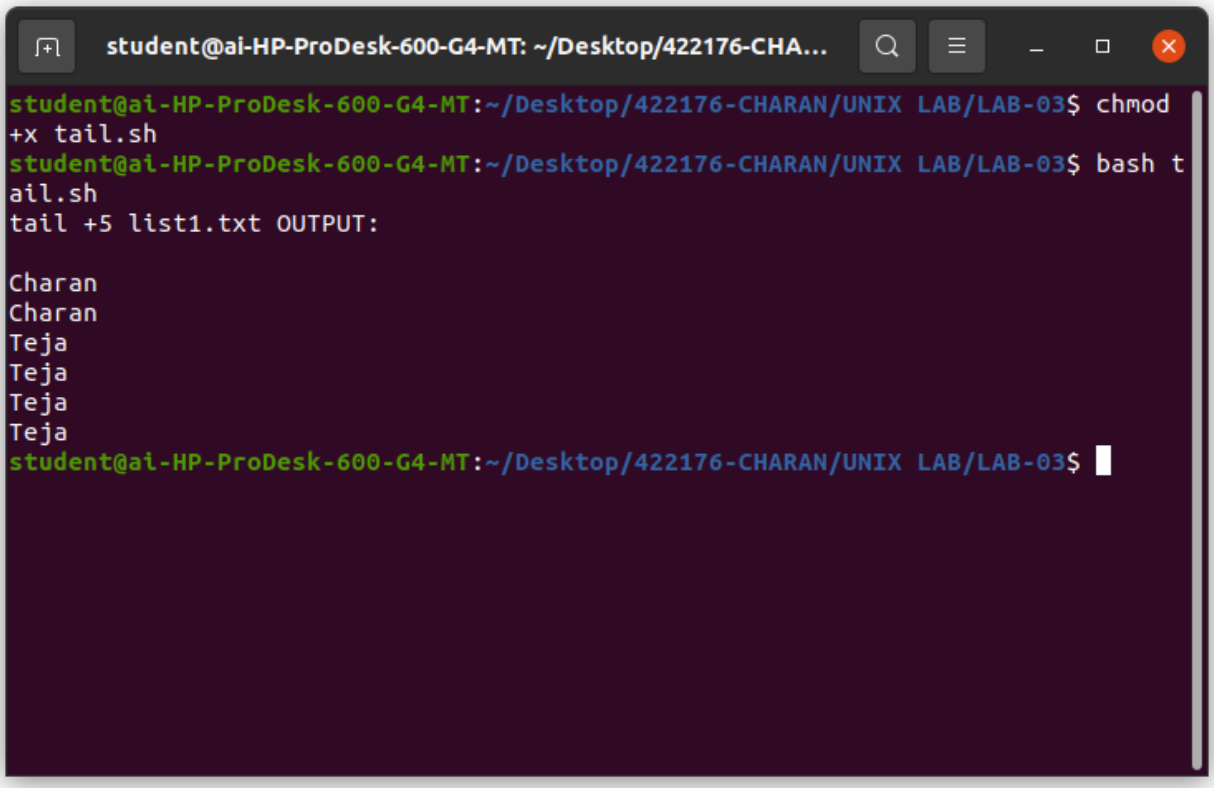


.

TAIL.sh

```
#!bin/bash
echo -e "tail +5 list1.txt OUTPUT:\n";
tail +5 list1.txt;
```

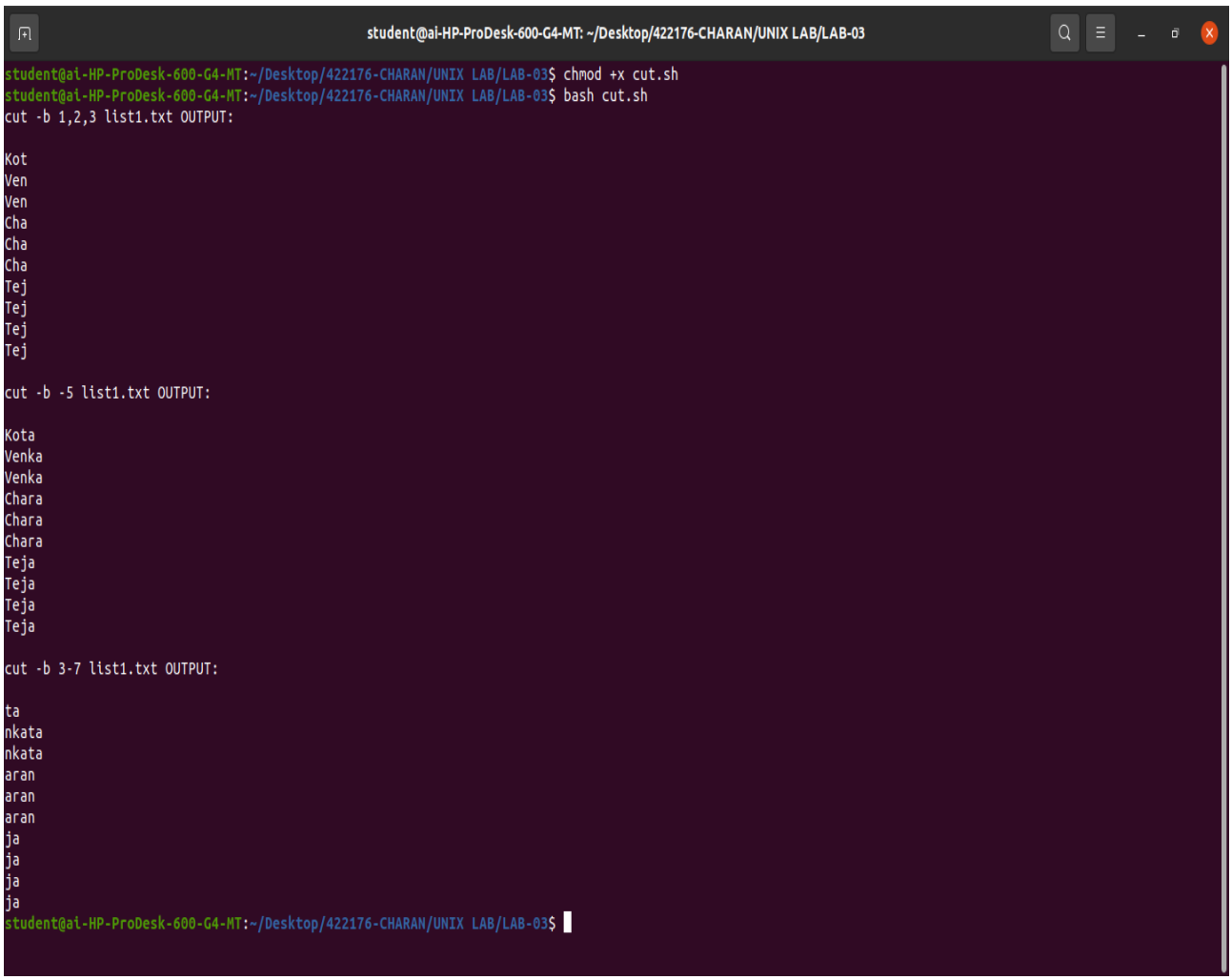
OUTPUT:



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 -b 3-7 list1.txt OUTPUT:\n"
cut -b 3-7 list1.txt
```

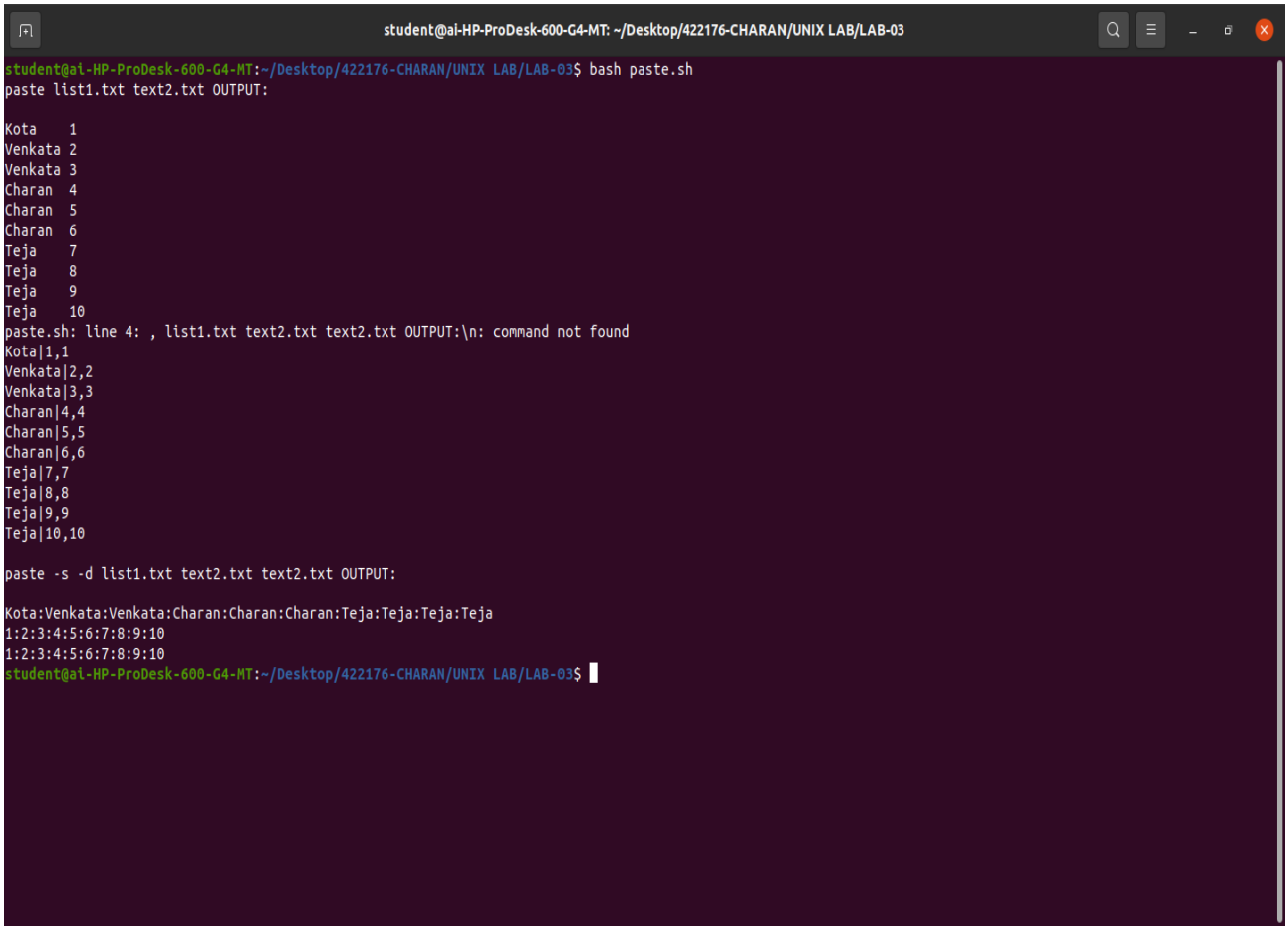
OUTPUT:



paste.sh

```
#!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;
```

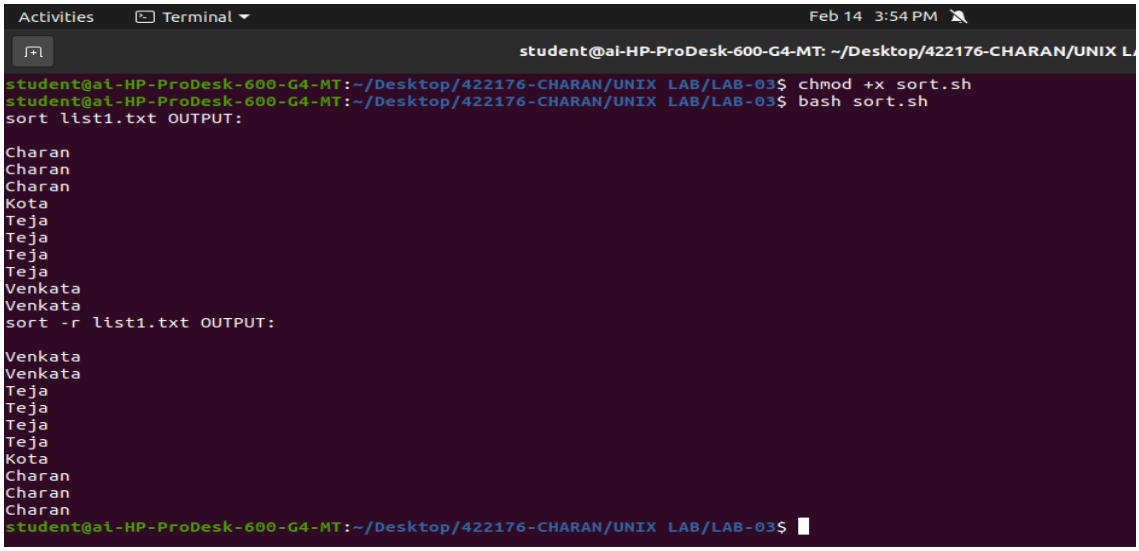
OUTPUT:



sort.sh

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

OUTPUT:

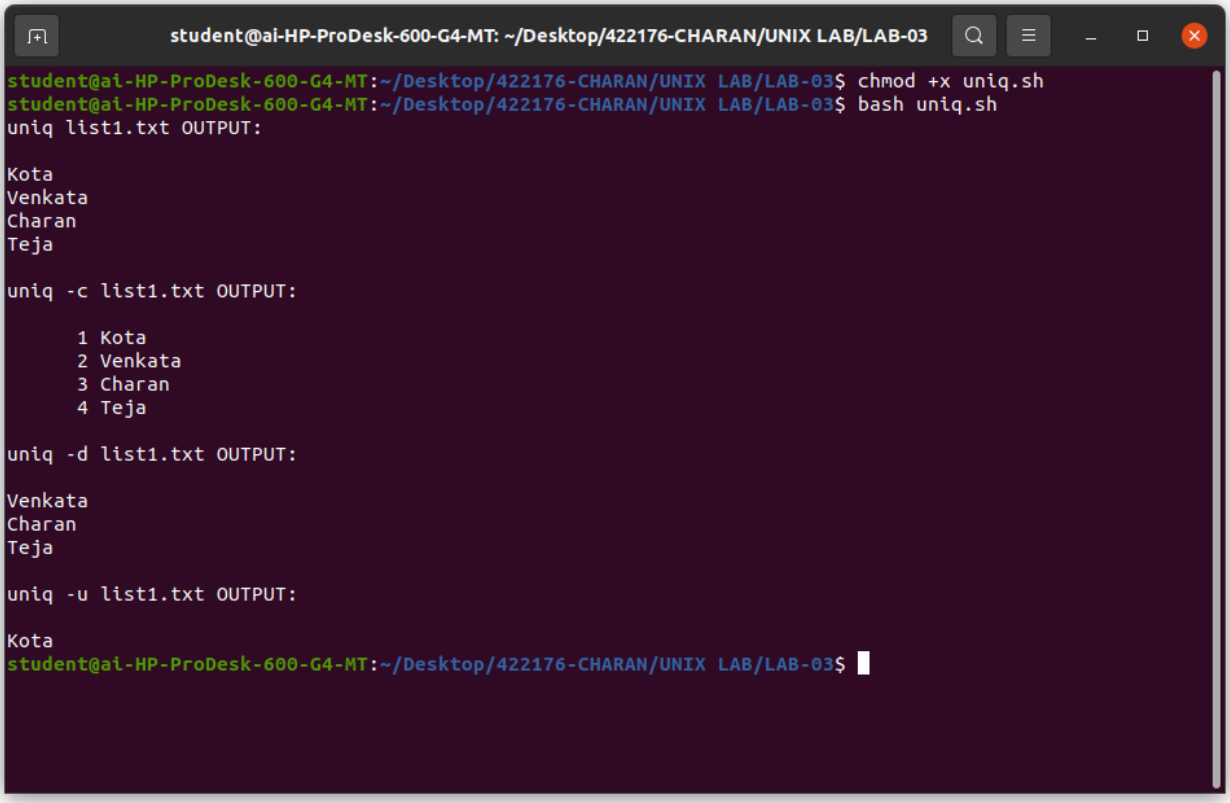


.

uniq.sh

```
#!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;
```

OUTPUT:



tr.sh

```
#!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:];
```

OUTPUT:


student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/LAB-03
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/LAB-03$ bash tr.sh
cat list1.txt | tr [a-z] [A-Z] OUTPUT:
KOTA
VENKATA
VENKATA
CHARAN
CHARAN
CHARAN
TEJA
TEJA
TEJA
TEJA
echo Hello World! | tr -d -o OUPTUT:
tr: invalid option -- 'o'
Try 'tr --help' for more information.
echo My Roll no : 422176 | tr -d [:digit:]
My Roll no :
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/LAB-03$