

### Assignment 3

Welcome shraddha!!!

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ touch shraddha.txt
```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls
```

```
'ass 5.odt' AssignQue4.sh first.txt name.txt one script13.sh shraddha.txt
```

```
Sunbeam.txt
```

```
'assgn 1.pdf' AssignQue5.sh lsout.txt Name.txt README.md script14.sh sh.txt.save  
taste.txt
```

```
Assignment2.pdf AssignQue6.sh menu.sh numbers.txt repeat.txt script15.sh sorted.txt
```

```
TESTING.TXT
```

```
AssignQue3.sh demo.sh name_link.txt numbers.txt1 script12.sh scripts sunbeam.txt  
test.txt
```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tail menu.txt
```

```
tail: cannot open 'menu.txt' for reading: No such file or directory
```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat >> shraddha.txt
```

```
hii
```

```
shraddha
```

```
siddharth
```

```
snehal
```

```
shubham
```

```
siddhi
```

```
aushutosh
```

```
sakshi
```

```
sushil
```

```
shrikant
```

```
kuldeep
```

```
^C
```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat shraddha.txt
```

```
hii
```

```
shraddha
```

```
siddharth
```

```
snehal
```

```
shubham
```

```
siddhi
```

```
aushutosh
```

```
sakshi
```

```
sushil
```

```
shrikant
```

```
kuldeep
```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tail shraddha.txt
```

```
shraddha
```

```
siddharth
```

```
snehal
```

```
shubham
```

```
siddhi
```

```
aushutosh
```

```
sakshi
```

```
sushil
```

```
shrikant
```

kuldeep  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ tail -5 shraddha.txt  
aushutosh  
sakshi  
sushil  
shrikant  
kuldeep  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ who am i  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ tty  
/dev/pts/0  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ whoami  
sunbeam  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ tty  
/dev/pts/0  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ who am i  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ users  
sunbeam  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ who  
sunbeam tty2 2023-12-28 14:50 (tty2)  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ grep "shraddha" shraddha.txt  
shraddha  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ grep "sh" shraddha.txt  
shraddha  
shubham  
aushutosh  
sakshi  
sushil  
shrikant  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ egrep "sh" shraddha.txt  
shraddha  
shubham  
aushutosh  
sakshi  
sushil  
shrikant  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ fgrep "sh" shraddha.txt  
shraddha  
shubham  
aushutosh  
sakshi  
sushil  
shrikant  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ fgrep "sh" shraddha.txt  
shraddha  
shubham  
aushutosh  
sakshi  
sushil  
shrikant  
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$ fgrep "sh" shraddha.txt  
shraddha  
shubham

```
aushutosh
sakshi
sushil
shrikant
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ fgrep "shraddha" shraddha.txt
shraddha
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ fgrep "sakshi" shraddha.txt
sakshi
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ chmod -r shraddha.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls
'ass 5.odt'   AssignQue4.sh  first.txt    name.txt    one        script13.sh  shraddha.txt
Sunbeam.txt
'assgn 1.pdf' AssignQue5.sh  lsout.txt    Name.txt    README.md  script14.sh  sh.txt.save
taste.txt
Assignment2.pdf AssignQue6.sh  menu.sh      numbers.txt repeat.txt  script15.sh  sorted.txt
TESTING.TXT
AssignQue3.sh  demo.sh       name_link.txt numbers.txt1 script12.sh  scripts      sunbeam.txt
test.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ chmod -w shraddha.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat shraddha.txt
cat: shraddha.txt: Permission denied
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ chmod -e shraddha.txt
chmod: invalid option -- 'e'
Try 'chmod --help' for more information.
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ chmod +x shraddha.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat shraddha.txt
cat: shraddha.txt: Permission denied
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat > sk.txt
hii
shraddha
khilari
snehal
pk
dk
sk
mk
^C
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat > hs.txt
^C
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ wc -w sk.txt hs.txt
 8 sk.txt
 0 hs.txt
 8 total
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | wc -w sk.txt
8 sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | wc -w shraddha.txt
wc: shraddha.txt: Permission denied
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ chmod +x shraddha.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | wc -w shraddha.txt
wc: shraddha.txt: Permission denied
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | wc -w sorted.txt
14 sorted.txt
```

```

sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls
'ass 5.odt'  AssignQue4.sh  first.txt  name_link.txt  numbers.txt1  script12.sh  scripts
sorted.txt  TESTING.TXT
'assgn 1.pdf'  AssignQue5.sh  hs.txt  name.txt  one  script13.sh  shraddha.txt
sunbeam.txt  test.txt
Assignment2.pdf  AssignQue6.sh  lsout.txt  Name.txt  README.md  script14.sh
sh.txt.save  Sunbeam.txt
AssignQue3.sh  demo.sh  menu.sh  numbers.txt  repeat.txt  script15.sh  sk.txt
taste.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls grep sk.txt
ls: cannot access 'grep': No such file or directory
sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls grep one
ls: cannot access 'grep': No such file or directory
one:
111.txt 11.txt 1.txt two
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls -l | grep -v ^l | wc -l
34
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ head 5 | tail 2
tail: cannot open '2' for reading: No such file or directory
head: cannot open '5' for reading: No such file or directory
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ head 5 | tail 2 sk.txt
tail: head: cannot open '2' for readingcannot open '5' for reading: No such file or directory
: No such file or directory
==> sk.txt <==
hii
shraddha
khilari
snehal
pk
dk
sk
mk
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ head 2 | tail 2 sk.txt
head: cannot open '2' for readingtail: cannot open '2' for reading: No such file or directory
: No such file or directory
==> sk.txt <==
hii
shraddha
khilari
snehal
pk
dk
sk
mk
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ head -n 10 sk.txt | tail -n +3
khilari
snehal
pk
dk
sk
mk

```

```
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ sort sorted.txt | uniq sorted.txt
1
2
3
4
45
5
55
566
6667
67
87
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sorted.txt
1
1
2
2
3
4
45
5
5
55
566
6667
67
87
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who sk.txt | grep "sh" sk.txt
shraddha
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who sk.txt | grep "sa" sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who shraddha.txt | grep "sa"
shraddha.txt
grep: shraddha.txt: Permission denied
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who hs.txt | grep "sa" hs.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat hs.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
hii
shraddha
khilari
snehal
pk
dk
sk
mk
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls one | grep two
two
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls one | grep one
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls one | grep "2.txt" one
grep: one: Is a directory
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls one | grep "2.txt"
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls one | grep "2.txt" one
```

```

grep: one: Is a directory
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | grep -v -e 'tty2' -e 'tty3' -e 'tty4'
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | grep -E 'tty2|tty3|tty4'
sunbeam tty2      2023-12-28 14:50 (tty2)
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | grep -E 'tty1|tty2|tty3|tty4'
sunbeam tty2      2023-12-28 14:50 (tty2)
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ who | grep -E 'tty1|tty2'
sunbeam tty2      2023-12-28 14:50 (tty2)
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls -a | grep '^\.
.
..
.git
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls -l | grep -v l | wc -l
32
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ ls -l | grep -v ^l | wc -l
34
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr sk.txt
tr: missing operand after 'sk.txt'
Two strings must be given when translating.
Try 'tr --help' for more information.
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr '[:lower:]' '[:upper:]' sk.txt hs.txt
tr: extra operand 'sk.txt'
Try 'tr --help' for more information.
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr '[:lower:]' '[:upper:]' sk.txt
tr: extra operand 'sk.txt'
Try 'tr --help' for more information.
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr '[:lower:]' '[:upper:]' < sk.txt >
hs.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat > sk.txt
^[[^C
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat >> sk.txt
hi^C
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat >> sk.txt
hi
shraddha
siddharth
snehal
aushutosh
shrikant
shubham
siddhi
sushil^C
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
hi
shraddha
siddharth
snehal
aushutosh
shrikant

```

```
shubham
siddhi
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr '[:lower:]' '[:upper:]' sk.txt
tr: extra operand 'sk.txt'
Try 'tr --help' for more information.
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ tr '[:lower:]' '[:upper:]' < sk.txt >
hs.txt
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat sk.txt
hi
shraddha
siddharth
snehal
aushutosh
shrikant
shubham
siddhi
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat hs.txt
HI
SHRADDHA
SIDDHARTH
SNEHAL
AUSHUTOSH
SHRIKANT
SHUBHAM
SIDDHI
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cut -b 1 hs.txt
H
S
S
S
A
S
S
S
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cat hs.txt
HI
SHRADDHA
SIDDHARTH
SNEHAL
AUSHUTOSH
SHRIKANT
SHUBHAM
SIDDHI
sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice$ cut -b 4 hs.txt

A
D
H
H
I
B
D
```

sunbeam@sunbeam-Lenovo-B590:~/Documents/OSpractice\$