

OPERATING SYSTEM – Assignment 1 (Linux Commands) : {Que2}

```
aditi_hedau@HPdrs26: ~/mar x + v
aditi_hedau@HPdrs26:~$ pwd
/home/aditi_hedau
aditi_hedau@HPdrs26:~$ ls
aditi  ansh  grandfather  march2024
aditi_hedau@HPdrs26:~$ cd march2024
aditi_hedau@HPdrs26:~/march2024$ ls
LinuxAssignment  OS  names.txt
aditi_hedau@HPdrs26:~/march2024$ cd LinuxAssignment
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment$ ls
docs  docs.zip  docs1  docs1.zip  file1.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment$ mkdir Question2
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment$ d Question2/
d: command not found
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment$ cd Question2
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ touch data.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ vi data.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ hrad -10 data.txt
Command 'hrad' not found, did you mean:
  command 'head' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ head -10 data.txt
line 1
line 2
line 3
line 4
line 5
line 6
line 7
line 8
line 9
line 10
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat data.txt
line 1
line 2
line 3
line 4
line 5
line 6
line 7
line 8
line 9
line 10
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat data.txt
line 1
line 2
line 3
line 4
line 5
line 6
line 7
line 8
line 9
line 10
line 11
line 12
line 13
line 14
line 15
line 16
line 17
line 18
line 19
line 20
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tail -5 data.txt
line 16
line 17
line 18
line 19
line 20
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat > number.txt
1
2
3
4
5
6
7
8
9
10
11
12
```

```
aditi_hedau@HPdrs26: ~/mar  X + v
10
11
12
13
14
15
^C
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat >> number.txt
16
17
18
19
20
^C
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat number.txt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ head -15 number.t
xt
1
2
3
4
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ head -15 number.t
xt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tail -3 number.tx
t
18
19
20
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tail -4 number.tx
t
17
18
19
20
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat > input.txt
Hello World!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:lower:] [:upper:]
HELLO WORLD!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:upper:] [:lower:]
hello world!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:upper:] [:lower:] | mv input.txt
mv: missing destination file operand after 'input.txt'
Try 'mv --help' for more information.
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:upper:] [:lower:] | mv input.txt output.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tree
|
├── data.txt
```

```
aditi_hedau@HPdrs26: ~/mar X + v
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:upper:] [:lower:] | mv input.txt output.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tree
.
├── data.txt
├── number.txt
└── output.txt

0 directories, 3 files
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ ls
data.txt  number.txt  output.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt | tr [:upper:] [:lower:] | mv output.txt input.txt
cat: input.txt: No such file or directory
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat output.txt | tr [:upper:] [:lower:] | mv
output.txt input.txt
cat: output.txt: No such file or directory
mv: missing file operand
Try 'mv --help' for more information.
output.txt: command not found
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ ls
data.txt  input.txt  number.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt
Hello World!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ ls
data.txt  input.txt  number.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ tr 'a-z' 'A-z' <input.txt> output.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ ls
data.txt  input.txt  number.txt  output.txt
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat input.txt
Hello World!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat output.txt
HELLO WORLD!
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat > duplicate.txt
aa
aa
bb
bb
cc
cc
ee
ff

aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat duplicate.txt | uni
q
aa
bb
cc
ee
ff
gg
^C
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat duplicate.txt | uni
q
aa
bb
cc
ee
ff
gg
^C
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat duplicate.txt
aa
aa
bb
bb
bb
cc
cc
ee
ff
gg
gg
gg
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq duplicate.txt
aa
bb
cc
ee
ff
gg
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq -u duplicate.txt
ee
ff
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat > fruits.txt
mango
mango
```

```
aditi_hedau@HPdrs26: ~/mar  X + v
ff
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ cat > fruits.txt
mango
mango
banana
grapes
grapes
apple
apple
banana
mango
kiwi
^C
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq fruit.txt
uniq: fruit.txt: No such file or directory
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq fruits.txt
mango
mango
banana
grapes
apple
banana
mango
kiwi
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq -u fruits.txt
mango
mango
banana
banana
mango
kiwi
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ uniq -c fruits.txt
1 mango
1 mango
1 banana
2 grapes
2 apple
1 banana
1 mango
1 kiwi
aditi_hedau@HPdrs26:~/march2024/LinuxAssignment/Question2$ |
```