

Linux Lab Assignment 1

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To: Dr. Kingshuk Srivastava

```
[lucky@cachyos Linux_Lab]$ ls
commands.txt
[lucky@cachyos Linux_Lab]$ pwd
/home/lucky/Linux_Lab
[lucky@cachyos Linux_Lab]$ mkdir test
[lucky@cachyos Linux_Lab]$ ls
commands.txt  test
[lucky@cachyos Linux_Lab]$ cd test/
[lucky@cachyos test]$ touch hello
[lucky@cachyos test]$ vi hello
[lucky@cachyos test]$ cat hello
hey
how are you
i am good
how's going these days?
going fine...
```

```
[lucky@cachyos test]$ less hello
[lucky@cachyos test]$ head -n 2 hello
hey
how are you
[lucky@cachyos test]$ tail -n 3 hello
going fine...
```

```
[lucky@cachyos test]$ man mv
[lucky@cachyos test]$ mv hello hey
[lucky@cachyos test]$ ls
hey
[lucky@cachyos test]$ cp hey hi
[lucky@cachyos test]$ ls
hey  hi
[lucky@cachyos test]$ whoami
lucky
[lucky@cachyos test]$ uname
Linux
[lucky@cachyos test]$ cd ..
[lucky@cachyos Linux_Lab]$ ls
```

```
commands.txt  test
[lucky@cachyos Linux_Lab]$ cat commands.txt
ls
pwd
cd
mkdir
mv
cp
rm
touch
cat
clear
echo
less
man
whoami
head
tail
sort
killall
whereis
wget
alias
tr
sed
ip
[lucky@cachyos Linux_Lab]$ sort commands.txt
alias
cat
cd
clear
cp
echo
head
ip
killall
less
ls
man
mkdir
mv
pwd
rm
sed
sort
tail
```

```
touch
tr
wget
whereis
whoami
[lucky@cachyos Linux_Lab]$ whereis mv
mv: /usr/bin/mv /usr/share/man/man1p/mv.1p.gz /usr/share/man/man1/mv.1.gz
[lucky@cachyos Linux_Lab]$ sed -i 's/wget/ping/g' commands.txt
[lucky@cachyos Linux_Lab]$ cat commands.txt
ls
pwd
cd
mkdir
mv
cp
rm
touch
cat
clear
echo
less
man
whoami
head
tail
sort
killall
whereis
ping
alias
tr
sed
ip
[lucky@cachyos Linux_Lab]$ ping harshdeepsingh.in
ping: harshdeepsingh.in: Temporary failure in name resolution
[lucky@cachyos Linux_Lab]$
[lucky@cachyos Linux_Lab]$ echo "Actually Net is not connected to PC, that's why
not pinging the site..."
Actually Net is not connected to PC, that's why not pinging the site...
[lucky@cachyos Linux_Lab]$ export HEY=HELLO
[lucky@cachyos Linux_Lab]$ echo $HEY
HELLO
[lucky@cachyos Linux_Lab]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
```

```
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp6s18: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
group default qlen 1000
    link/ether 22:3e:4f:62:79:2c brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.10/24 brd 10.0.0.255 scope global dynamic noprefixroute enp6s18
        valid_lft 58sec preferred_lft 58sec
    inet6 fe80::3b92:f2d8:90ec:7283/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[lucky@cachyos Linux_Lab]$ cat commands.txt | tr [:lower:] [:upper:]
LS
PWD
CD
MKDIR
MV
CP
RM
TOUCH
CAT
CLEAR
ECHO
LESS
MAN
WHOAMI
HEAD
TAIL
SORT
KILLALL
WHEREIS
PING
ALIAS
TR
SED
IP
[lucky@cachyos Linux_Lab]$ date
Sunday 13 August 2023 06:01:31 PM IST
[lucky@cachyos Linux_Lab]$ cal
    August 2023
Su Mo Tu We Th Fr Sa
      1  2  3  4  5
 6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31
```

```
[lucky@cachyos Linux_Lab]$ for i in {1..5}; do echo $i; done
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
[lucky@cachyos Linux_Lab]$ tac commands.txt
```

```
ip
```

```
sed
```

```
tr
```

```
alias
```

```
ping
```

```
whereis
```

```
killall
```

```
sort
```

```
tail
```

```
head
```

```
whoami
```

```
man
```

```
less
```

```
echo
```

```
clear
```

```
cat
```

```
touch
```

```
rm
```

```
cp
```

```
mv
```

```
mkdir
```

```
cd
```

```
pwd
```

```
ls
```

```
[lucky@cachyos Linux_Lab]$ exit
```

```
exit
```