

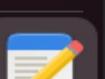
# Unix Lab

Week 12,Assignment 6

Name: K. Sridhar Varma

Roll no: 422165

bc - Basic Calculator



Open



bc.sh  
~/Desktop/scripts/week12  
Ln 7, Col 9

```
3 echo "var=10;var" | bc
4 echo "var=10;++var" | bc
5 echo "10>5" | bc
6 pi= `echo "h=10;4*a(1)" | bc -l`
7 echo $pi
8 echo "c($pi/3)" | bc -l
9 echo 'n=8;m=10;if(n>m) print "n is greater" else print "m is greater"' | bc -l
10 echo "for(i=1;i<=10;i++) {i;}" | bc
```

08:58  
01-04-2024



sridhar@sridhar-VirtualBox: ~/Desktop/scripts/week12

```
sridhar@sridhar-VirtualBox:~$ cd Desktop
sridhar@sridhar-VirtualBox:~/Desktop$ cd scripts
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cd week12
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ chmod =X bc.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ chmod +x bc.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash bc.sh
bash: bc.sh: Permission denied
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash bc.sh
17
10
11
1
bc.sh: line 6: 3.14159265358979323844: command not found

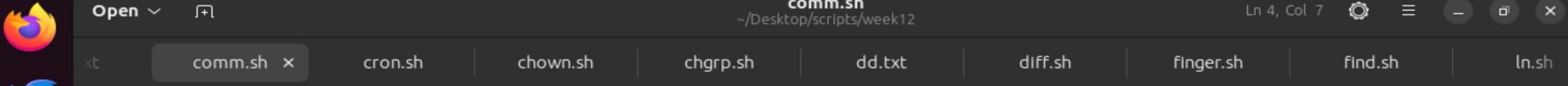
(standard_in) 1: syntax error
m is greaterfor(i=1;i<=10;i++) {i;} | bc
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bc -q bctest.txt
7
30
30sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```



Search

22:55  
31-03-2024

comm



```
1 comm file1.txt file2.txt
2 comm -1 file1.txt file2.txt
3 comm --check-order file1.txt file2.txt
4 comm --nocheck-order file1.txt file2.txt
```



ENG

IN



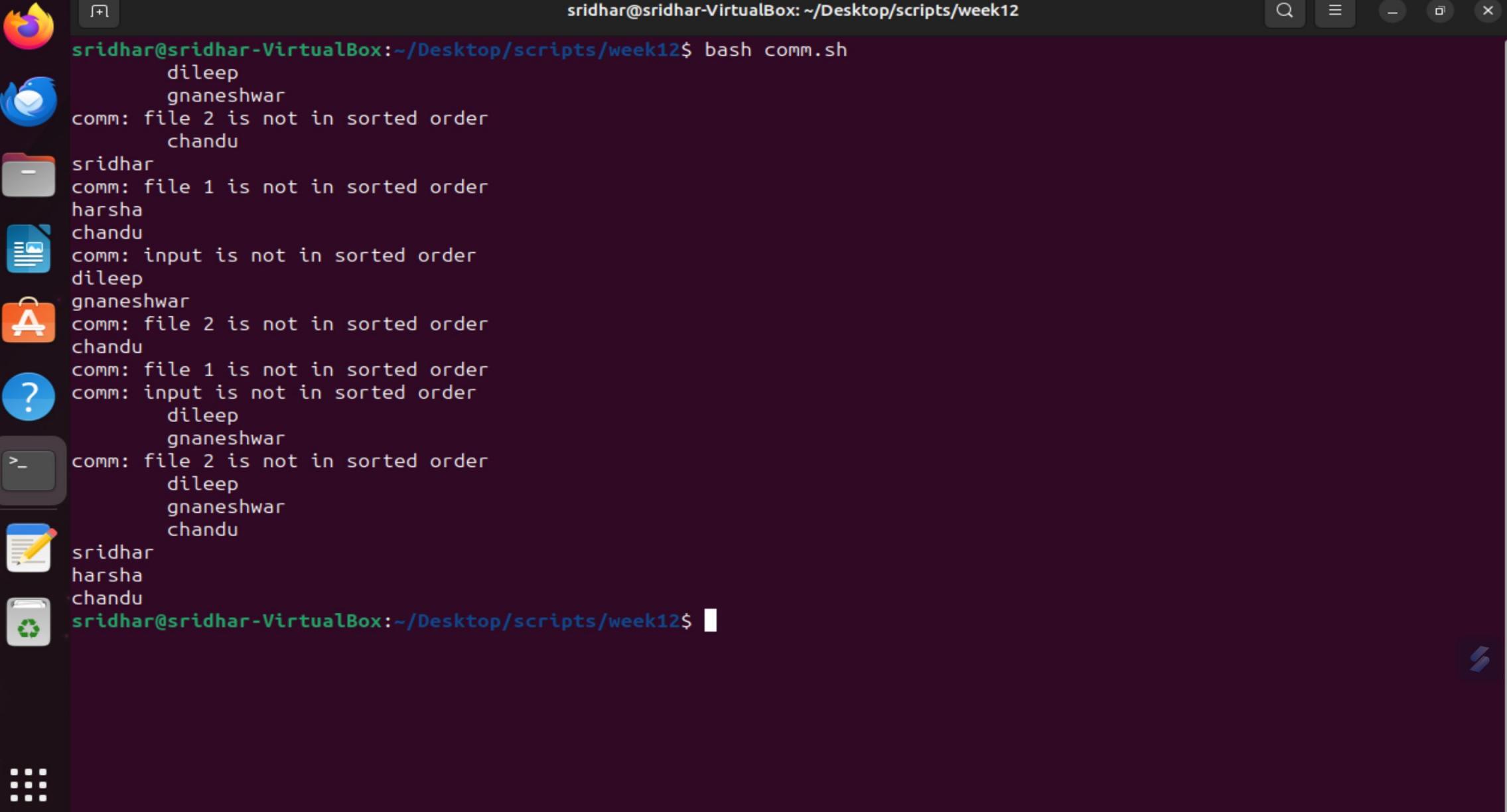
09:02

01-04-2024





```
sridhar@srividhar-VirtualBox:~/Desktop/scripts/week12$ bash comm.sh
dileep
gnaneshwar
comm: file 2 is not in sorted order
chandu
sridhar
comm: file 1 is not in sorted order
harsha
chandu
comm: input is not in sorted order
dileep
gnaneshwar
comm: file 2 is not in sorted order
chandu
comm: file 1 is not in sorted order
comm: input is not in sorted order
      dileep
      gnaneshwar
comm: file 2 is not in sorted order
      dileep
      gnaneshwar
      chandu
sridhar
harsha
chandu
sridhar@srividhar-VirtualBox:~/Desktop/scripts/week12$
```



chown



Open



comm.sh | cron.sh | chown.sh x | chgrp.sh | dd.txt | diff.sh | finger.sh | find.sh | ln.sh

chown.sh  
~/Desktop/scripts/week12

Ln 6, Col 1



```
1 chown -c sridhar file1.txt
2 ls -l file1.txt
3 chown -v sridhar file2.txt
4 ls -l file2.txt
5 chown -f sridhar comm.sh
6
```



ENG

IN

09:04  
01-04-2024

+  
l

sridhar@sridhar-VirtualBox: ~/Desktop/scripts/week12



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ chmod +x chown.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash chown.sh
-rw-rw-r-- 1 sridhar sridhar 23 Mar 31 23:01 file1.txt
ownership of 'file2.txt' retained as sridhar
-rw-rw-r-- 1 sridhar sridhar 26 Mar 31 23:01 file2.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```

23:21  
31-03-2024

chgrp



Open



comm.sh | cron.sh | chown.sh | chgrp.sh x dd.txt | diff.sh | finger.sh | find.sh | ln.sh

chgrp.sh  
~/Desktop/scripts/week12

Ln 9, Col 26



```
1 chown :group1 file1.txt
2 chown sridhar:group1 cron.sh
3 chown --from=:group1 group2 cron.sh
4 chown --references=file1.txt bctest.sh
5 chgrp group1 file1.txt
6 chgrp -R group1 example
7 chgrp -c group1 file2.txt
8 chgrp -f group2 file2.txt
9 chgrp -v group3 file2.txt|
```

09:06  
01-04-2024



sridhar@sridhar-VirtualBox: ~/Desktop/scripts/week12

```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash chgrp.sh
chown: changing group of 'file1.txt': Operation not permitted
chown: changing ownership of 'cron.sh': Operation not permitted
chown: invalid user: 'group2'
chown: unrecognized option '--references=file1.txt'
Try 'chown --help' for more information.
chgrp: changing group of 'file1.txt': Operation not permitted
chgrp: changing group of 'example': Operation not permitted
chgrp: changing group of 'file2.txt': Operation not permitted
chgrp: changing group of 'file2.txt': Operation not permitted
failed to change group of 'file2.txt' from sridhar to group3
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ sudo bash chgrp.sh
chown: invalid user: 'group2'
chown: unrecognized option '--references=file1.txt'
Try 'chown --help' for more information.
changed group of 'file2.txt' from sridhar to group1
changed group of 'file2.txt' from group2 to group3
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```



ENG IN 23:31 31-03-2024 PRE

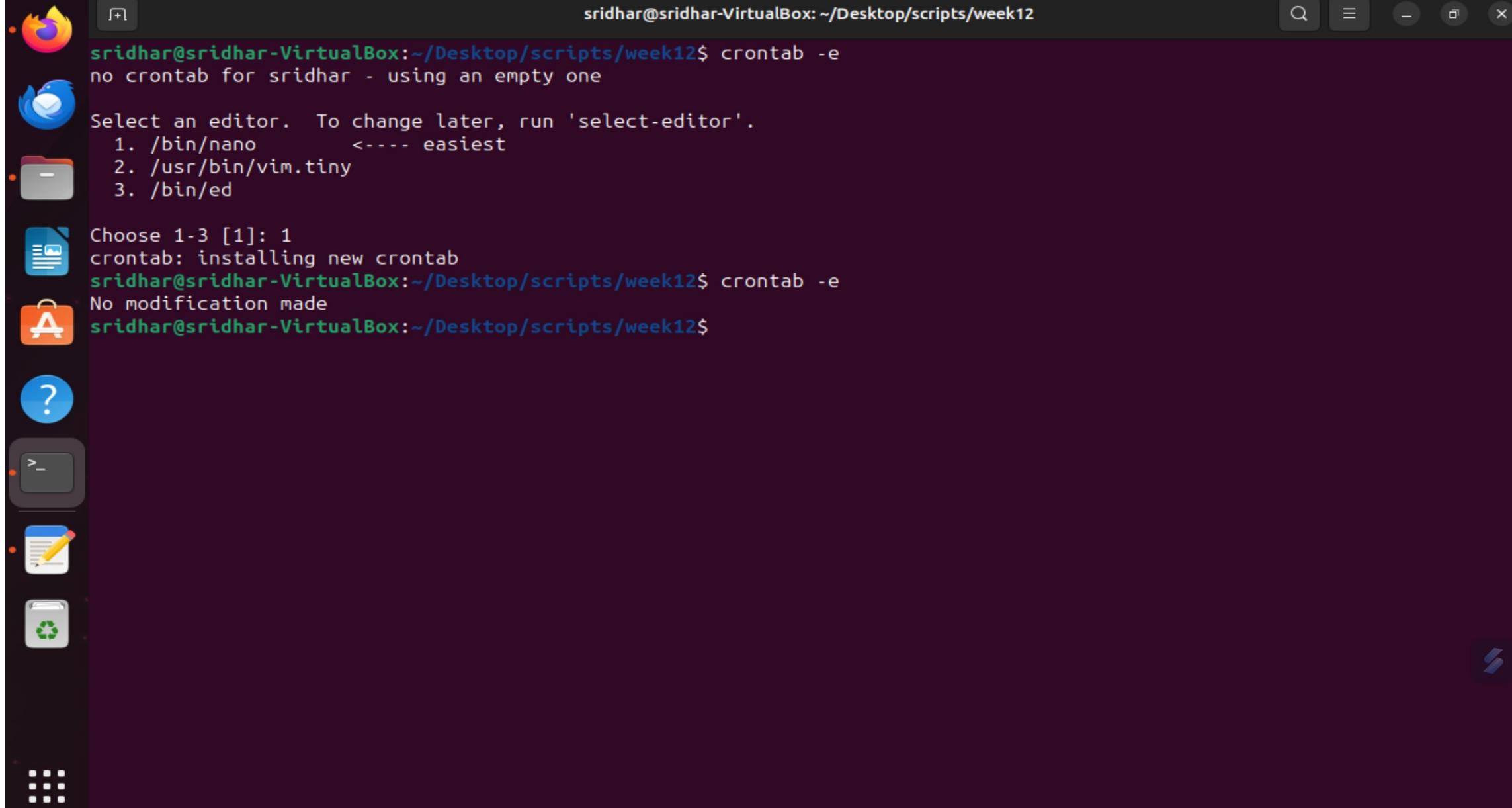
cron



```
sridhar@srividhar-VirtualBox:~/Desktop/scripts/week12$ crontab -e
no crontab for sridhar - using an empty one
```

```
Select an editor. To change later, run 'select-editor'.
1. /bin/nano      <---- easiest
2. /usr/bin/vim.tiny
3. /bin/ed
```

```
Choose 1-3 [1]: 1
crontab: installing new crontab
sridhar@srividhar-VirtualBox:~/Desktop/scripts/week12$ crontab -e
No modification made
sridhar@srividhar-VirtualBox:~/Desktop/scripts/week12$
```





GNU nano 7.2

/tmp/crontab.bZ8B4i/crontab

```
# Edit this file to introduce tasks to be run by cron.  
#  
# Each task to run has to be defined through a single line  
# indicating with different fields when the task will be run  
# and what command to run for the task  
#  
# To define the time you can provide concrete values for  
# minute (m), hour (h), day of month (dom), month (mon),  
# and day of week (dow) or use '*' in these fields (for 'any').  
#  
# Notice that tasks will be started based on the cron's system  
# daemon's notion of time and timezones.  
#  
# Output of the crontab jobs (including errors) is sent through  
# email to the user the crontab file belongs to (unless redirected).  
#  
# For example, you can run a backup of all your user accounts  
# at 5 a.m every week with:  
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/  
#  
# For more information see the manual pages of crontab(5) and cron(8)  
#  
# m h dom mon dow   command  
00 09 * * * /home/sridhar/Desktop/scripts/week12/bc.sh
```



^G Help  
^X Exit

^O Write Out  
^R Read File

^W Where Is  
^\\ Replace

[ Read 26 lines ]  
^K Cut  
^U Paste

^T Execute  
^J Justify

^C Location  
^/ Go To Line

M-U Undo  
M-E Redo



28°



ENG

IN

23:17  
31-03-2024

dd



Open



chgrp.sh

diff.sh

finger.sh

find.sh

dd.sh

~/Desktop/scripts/week12

Ln 6, Col 43



lpstat.sh

mesg.sh

dd.sh



```
1 dd if=/dev/sda of=/dev/sdb
2 dd if=/dev/sda of=/dev/sdb conv=noerror, sync
3 dd if=/dev/hda1 of=~/partition.img
4 dd if=/dev/hda of=~/hdadisk.img
5 dd if=hdadisk.img of=/dev/hdb
6 dd if=/dev/cdrom of=tgsservice.iso bs=2048|
```

09:09  
01-04-2024

diff



Open



chgrp.sh

diff.sh



finger.sh

find.sh

ln.sh

lp.sh

lpstat.sh

Ln 5, Col 1

diff.sh  
~/Desktop/scripts/week12

```
1 diff file1.txt file2.txt
2 diff -c file1.txt file2.txt
3 diff -u file1.txt file2.txt
4 diff -i file1.txt file2.txt
5 |
```

09:10  
01-04-2024



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ chmod +x diff.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash diff.sh
```

```
1,2c1,2
```

```
< sridhar
```

```
< harsha
```

```
---
```

```
> dileep
```

```
> gnaneshwar
```

```
*** file1.txt 2024-03-31 23:01:09.121509250 +0530
```

```
--- file2.txt 2024-03-31 23:01:30.041877280 +0530
```

```
*****
```

```
*** 1,3 ***
```

```
! sridhar
```

```
! harsha
```

```
chandu
```

```
--- 1,3 ----
```

```
! dileep
```

```
! gnaneshwar
```

```
chandu
```

```
--- file1.txt 2024-03-31 23:01:09.121509250 +0530
```

```
+++ file2.txt 2024-03-31 23:01:30.041877280 +0530
```

```
@@ -1,3 +1,3 @@
```

```
-sridhar
```

```
-harsha
```

```
+dileep
```

```
+gnaneshwar
```

```
chandu
```

```
1,2c1,2
```

```
< sridhar
```

```
< harsha
```

```
---
```

```
> dileep
```

```
> gnaneshwar
```

```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```



23:50  
31-03-2024

ENG  
IN

PRE

finger



Open



chgrp.sh

diff.sh

finger.sh x

find.sh

finger.sh

~/Desktop/scripts/week12

Ln 5, Col 36



ln.sh

lp.sh

lpstat.sh

mesg.sh

dd.sh

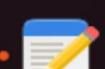
```
1 finger sridhar
2 echo "Plan details" > ~/.plan
3 finger -s sridhar
4 finger -p sridhar
5 echo "Project details" > ~/.project|
```

ENG  
IN

Wi-Fi

09:11  
01-04-2024

sridhar@sridhar-VirtualBox: ~



```
sridhar@sridhar-VirtualBox:~$ cd Desktop/
sridhar@sridhar-VirtualBox:~/Desktop$ cd scripts/
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cd week12/
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash finger.sh
finger: /dev//seat0: No such file or directory
Login: sridhar                                Name: sridhar
Directory: /home/sridhar                         Shell: /bin/bash
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 16 minutes idle
No mail.

Project:
Project details
Plan:
Plan details
finger: /dev//seat0: No such file or directory
Login      Name      Tty      Idle   Login Time   Office      Office Phone
sridhar    sridhar   seat0          Mar 31 22:21 (login screen)
sridhar    sridhar   tty2     2:16   Mar 31 22:21 (tty2)
finger: /dev//seat0: No such file or directory
Login: sridhar                                Name: sridhar
Directory: /home/sridhar                         Shell: /bin/bash
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 16 minutes idle
No mail.

sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ cd
sridhar@sridhar-VirtualBox:~$ echo "project details" > ~/.project
sridhar@sridhar-VirtualBox:~$ finger sridhar
finger: /dev//seat0: No such file or directory
Login: sridhar                                Name: sridhar
Directory: /home/sridhar                         Shell: /bin/bash
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 17 minutes idle
```

sridhar@sridhar-VirtualBox: ~



```
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 16 minutes idle
No mail.
Project:
Project details
Plan:
Plan details
finger: /dev//seat0: No such file or directory
Login      Name      Tty      Idle  Login Time   Office   Office Phone
sridhar    sridhar   seat0            Mar 31 22:21 (login screen)
sridhar    sridhar   tty2     2:16   Mar 31 22:21 (tty2)
finger: /dev//seat0: No such file or directory
Login: sridhar                  Name: sridhar
Directory: /home/sridhar          Shell: /bin/bash
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 16 minutes idle
No mail.
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ cd
sridhar@sridhar-VirtualBox:~$ echo "project details" > ~/.project
sridhar@sridhar-VirtualBox:~$ finger sridhar
finger: /dev//seat0: No such file or directory
Login: sridhar                  Name: sridhar
Directory: /home/sridhar          Shell: /bin/bash
On since Sun Mar 31 22:21 (IST) on seat0 from login screen
On since Sun Mar 31 22:21 (IST) on tty2 from tty2
    2 hours 17 minutes idle
No mail.
Project:
project details
Plan:
Plan details
sridhar@sridhar-VirtualBox:~$
```



ENG

IN



00:38 01-04-2024 PRE

find



Open



chgrp.sh

diff.sh

finger.sh

find.sh



ln.sh

lp.sh

lpstat.sh

mesg.sh

dd.sh

find.sh  
~/Desktop/scripts/week12

Ln 7, Col 42



```
1 find ./week12 file1.txt
2 find ./week12 -name *.txt
3 find ./week12 -empty
4 find ./week12 -perm 664
5 find . -type d
6 find ./ -type f -name "*.txt" -exec grep 'sridhar' {} \;
7 find . -type f -exec grep -l "sridhar" {}
```

09:13  
01-04-2024



sridhar@sridhar-VirtualBox: ~/Desktop/scripts



```
sridhar@sridhar-VirtualBox:~$ cd Desktop/
sridhar@sridhar-VirtualBox:~/Desktop$ cd scripts/
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ chmod +x ./week12/find.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ bash ./week12/find.sh
./week12
./week12/bctest.txt
./week12/comm.sh
./week12/file1.txt
./week12/dd.txt
./week12/cron.sh
./week12/diff.sh
./week12/chgrp.sh
./week12/chown.sh
./week12/file2.txt
./week12/finger.sh
./week12/find.sh
./week12/bc.sh
./week12/example
find: 'file1.txt': No such file or directory
find: paths must precede expression: `cpioout.txt'
find: possible unquoted pattern after predicate `-name' ?
./week12/example
./week12/bctest.txt
./week12/file1.txt
./week12/dd.txt
./week12/file2.txt
.
./week7
./week11
./week12
./week12/example
./week3
./week5
./week6
./week8
```



ENG

IN

00:43  
01-04-2024



sridhar@sridhar-VirtualBox: ~/Desktop/scripts

```
sridhar
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr --help
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -t Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -d Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -n Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -a Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -m Names.txt Sorted.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -D DD/MM/YYYY Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -e Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -e Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -l 50 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -r Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -h Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste --help
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste Numbers.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste -d "--" Number.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste -d "--" Numbers.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste -s Numbers.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ paste -z Numbers.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ 
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tr --help
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr [a-z][A-Z]
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr [a-z] [A-Z]
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr ["r"] "s"
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr "r" "s"
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr -s " "
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr -s "r"
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tr -d "H"
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tr -d H
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt|tr -d H
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt| tr -d [:upper:]
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt | tr -d [:lower:]
```



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -i Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 5 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -u Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 5 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -i Names.txt|uniq -w 3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 3 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail --help
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -c 5 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -f Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -f Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -f Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -n 2 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -q Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -s 2 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -n 2 -v Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -z Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep --help
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -i "DILEE" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -c "Dileep" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -l "Dil" Names.txt Numbers.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -w "sri" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -w "Sridhar" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -o "Sri" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -n "Dileep" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -v "Dileep" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep "^\Dileep" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep "Dileep$" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -e "Kee" -e "Sri" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -f Sorted.txt Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -A1 "Kee" Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ grep -B1 "Dileep" Names.txt
```



```
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -f 2 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -i Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 5 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 3 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -s 3 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -u Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 5 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 3 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -i Names.txt|uniq -w 3 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ uniq -w 3 Names.txt
./uniq.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ 
./Tail.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail --help
./Tail.txt:sridhar@sridhar-VirtualBox:~/Desktop/scripts$ tail -c 5 Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cat Names.txt\
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ Script done, file is saveterminal.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ script done, file is saveterminal.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ script saveterminal.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ ls
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ ps
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ exit
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -r Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -h Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -h Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -h Names.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ pr -N Names.txt
422165 sridhar CSE 8
find: missing argument to `'-exec'
sridhar@sridhar-VirtualBox:~/Desktop/scripts$
```



ENG

IN

00:43  
01-04-2024

Lock-Islocks



+1

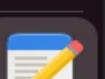
sridhar@sridhar-VirtualBox: ~/Desktop/scripts



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ lslocks
COMMAND          PID  TYPE SIZE MODE M      START      END PATH
cron              654 FLOCK   WRITE 0       0        0 /run/snapd/ns...
pipewire         1316 FLOCK   WRITE 0       0        0 /run/user/1000/pipewire-0.lock
nautilus         1681 POSIX  296K READ   0 1073741826 1073742335 /home/sridhar/.local/share/nautilus/tags/meta.db
nautilus         1681 POSIX  32K READ   0     128    128 /home/sridhar/.local/share/nautilus/tags/meta.db-shm
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/meta.db-shm
tracker-miner-f  2046 POSIX  1.2M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
firefox          2826 POSIX  224K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  256K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  64K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  6K  WRITE 0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  96K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
snapd            649 FLOCK   WRITE 0       0        0 /var/snap/firefox/common/host-hunspell...
tracker-miner-f 2046 POSIX  1.2M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
update-notifier  2607 FLOCK   WRITE 0       0        0 /run/user/1000/update-notifier.pid
firefox          2826 POSIX  512K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  5M  WRITE 0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  5M  WRITE 0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  6K  WRITE 0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  6K  WRITE 0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  1.7M WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
gnome-shell      1472 FLOCK   WRITE 0       0        0 /run/user/1000/wayland-0.lock
tracker-miner-f 2046 POSIX  1.4M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  1.5M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  1.2M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
tracker-miner-f  2046 POSIX  32K READ   0     128    128 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
firefox          2826 POSIX   WRITE 0       0        0 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
firefox          2826 POSIX  96K WRITE  0 1073741826 1073742335 /home/sridhar/snap/firefox/common/.mozilla/firefox/y6na7
tracker-miner-f  2046 POSIX  2.7M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/meta.db
tracker-miner-f  2046 POSIX  1.4M READ   0 1073741826 1073742335 /home/sridhar/.cache/tracker3/files/http%3A%2F%2Ftracker
```

00:46  
01-04-2024

In



Open



chgrp.sh

diff.sh

finger.sh

find.sh

ln.sh

~/Desktop/scripts/week12

x

lp.sh

lpstat.sh

mesg.sh

dd.sh

```
1 ln file1.txt file8.txt
2 ln file4.txt example/
3 ln -s file1.txt file7.txt
4
```



ENG

IN



09:15



PRE

01-04-2024



+1



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash ln.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ ls
bc.sh      chgrp.sh  comm.sh  dd.txt   example   file2.txt  file4.txt  find.sh    ln.sh
bctest.txt  chown.sh  cron.sh  diff.sh   file1.txt  file3.txt  file6.txt  finger.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ ls -v
bc.sh      chgrp.sh  comm.sh  dd.txt   example   file2.txt  file4.txt  find.sh    ln.sh
bctest.txt  chown.sh  cron.sh  diff.sh   file1.txt  file3.txt  file6.txt  finger.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ ln -v file1.txt
ln: failed to create hard link './file1.txt': File exists
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ ls --help
```



Usage: ls [OPTION]... [FILE]...  
List information about the FILEs (the current directory by default).  
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.



Mandatory arguments to long options are mandatory for short options too.  
-a, --all do not ignore entries starting with .  
-A, --almost-all do not list implied . and ..  
--author with -l, print the author of each file  
-b, --escape print C-style escapes for nongraphic characters  
--block-size=SIZE with -l, scale sizes by SIZE when printing them;  
 e.g., '--block-size=M'; see SIZE format below

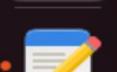


-B, --ignore-backups do not list implied entries ending with ~  
-c with -lt: sort by, and show, ctime (time of last  
 modification of file status information);  
 with -l: show ctime and sort by name;  
 otherwise: sort by ctime, newest first



-C list entries by columns  
--color[=WHEN] color the output WHEN; more info below  
-d, --directory list directories themselves, not their contents  
-D, --dired generate output designed for Emacs' dired mode  
-f list all entries in directory order  
-F, --classify[=WHEN] append indicator (one of \*/=>@|) to entries WHEN  
 likewise, except do not append '!'

00:56  
01-04-2024

+  
l

sridhar@sridhar-VirtualBox: ~/Desktop/scripts/week12



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash ln.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ find -type l
./file7.txt
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ ls -i
406983 bc.sh      407165 chown.sh  407295 dd.txt    406337 file1.txt  406337 file4.txt  406337 file8.txt  407427 ln.sh
407019 bctest.txt 406351 comm.sh   407071 diff.sh   406336 file2.txt  406337 file6.txt  407436 find.sh
407052 chgrp.sh   407129 cron.sh   407041 example   406337 file3.txt  407501 file7.txt  407398 finger.sh
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```



lp



Open

chgrp.sh

diff.sh

finger.sh

find.sh

ln.sh

lp.sh

lpstat.sh

mesg.sh

dd.sh

lp.sh  
~/Desktop/scripts/week12

Ln 5, Col 50



```
1 lp file1.txt
2 lp -c -n30 file1.txt
3 lp -t"KS" -o -f -o -a file1.txt
4 lp -s file1.txt
5 lp -d myprinter -o cpi=12 -o lpi=8 -o page-left=7|
```



ENG

IN

09:17  
01-04-2024

lpstat

sridhar@sridhar-VirtualBox: ~



```
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ lpstat
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ lpstat
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ cd
sridhar@sridhar-VirtualBox:~$ lpstat
sridhar@sridhar-VirtualBox:~$ sudo lpstat
[sudo] password for sridhar:
sridhar@sridhar-VirtualBox:~$ lpstat -p
printer Canon_iR2006_2206_1 is idle. enabled since Wed 20 Mar 2024 02:33:49 PM IST
sridhar@sridhar-VirtualBox:~$ lpstat -o
sridhar@sridhar-VirtualBox:~$ lpstat -a
Canon_iR2006_2206_1 accepting requests since Wed 20 Mar 2024 02:33:49 PM IST
sridhar@sridhar-VirtualBox:~$ lpstat -t
scheduler is running
no system default destination
device for Canon_iR2006_2206_1: implicitclass://Canon_iR2006_2206_1/
Canon_iR2006_2206_1 accepting requests since Wed 20 Mar 2024 02:33:49 PM IST
printer Canon_iR2006_2206_1 is idle. enabled since Wed 20 Mar 2024 02:33:49 PM IST
sridhar@sridhar-VirtualBox:~$ lpstat -o -l
sridhar@sridhar-VirtualBox:~$ lpstat -l
sridhar@sridhar-VirtualBox:~$
```



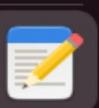
ENG

IN

01:09  
01-04-2024

PRE

mesg



Open



chgrp.sh

diff.sh

finger.sh

find.sh

mesg.sh

~/Desktop/scripts/week12

Ln 4, Col 1



ln.sh

lp.sh

lpstat.sh

mesg.sh

dd.sh

```
1 mesg
2 mesg y
3 mesg n
4 |
```

09:19  
01-04-2024

+  
•

sridhar@sridhar-VirtualBox: ~/Desktop/scripts/week12



```
sridhar@sridhar-VirtualBox:~$ cd Desktop/  
sridhar@sridhar-VirtualBox:~/Desktop$ cd scripts/cd week12  
bash: cd: too many arguments  
sridhar@sridhar-VirtualBox:~/Desktop$ cd week12  
bash: cd: week12: No such file or directory  
sridhar@sridhar-VirtualBox:~/Desktop$ cd scripts  
sridhar@sridhar-VirtualBox:~/Desktop/scripts$ cd week12  
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ chmod +x mesg.sh  
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ bash mesg.sh  
is n  
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ mesg y  
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$ mesg  
is y  
sridhar@sridhar-VirtualBox:~/Desktop/scripts/week12$
```



^

ENG  
IN01:13  
01-04-2024

PRE

Work by K.Sridhar Varma,422165