#### **ASSIGNMENT 2:**

### LINKS:

### SOFT LINKS:

#### 1. MODIFY any SOFT link and observer original?

```
asneem@SyedAllaBaksh:~$ mkdir test && cd test
tasneem@SyedAllaBaksh:~/test$ touch original.txt
tasneem@SyedAllaBaksh:~/test$ ln -s original.txt sl1.txt
tasneem@SyedAllaBaksh:~/test$ ls
original.txt sl1.txt
casneem@SyedAllaBaksh:~/test$ cat > sl1.txt
im writing in sl1.txt
tasneem@SyedAllaBaksh:~/test$ cat sl1.txt
im writing in sl1.txt
tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in sl1.txt
tasneem@SyedAllaBaksh:~/test$ cat >> sl1.txt
im appending
tasneem@SyedAllaBaksh:~/test$ cat sl1.txt
im writing in sl1.txt
im appending
tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in sl1.txt
im appending
tasneem@SyedAllaBaksh:~/test$
```

From what I observe is, if I try to write or append some content in soft link file, it'll show that content in original file as well.

## 2. MODIFY original file of SOFT link and observe?

```
tasneem@SyedAllaBaksh:~/test$ cat > original.txt
im writing in original .txt

tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in original .txt

tasneem@SyedAllaBaksh:~/test$ cat >> original.txt
im appending from org.txt
tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in original .txt
```

My observation is when I write some content in original file or append, it'll show that same content in it's soft link file as well.

# 1. Remove any SOFT link and observer original?

```
 tasneem@SyedAllaBaksh: ~/test
asneem@SyedAllaBaksh:~/test$ ls
original.txt sl1.txt
:asneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in original .txt
im appending from org.txt
tasneem@SyedAllaBaksh:~/test$ cat sl1.txt
im writing in original .txt
im appending from org.txt
tasneem@SyedAllaBaksh:~/test$ rm sl1.txt
tasneem@SyedAllaBaksh:~/test$ ls
original.txt
tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in original .txt
im appending from org.txt
tasneem@SyedAllaBaksh:~/test$
```

If I remove the soft link file, it doesn't effect on its original file content. (Its like breaking a chain).

### 2. Remove original file of SOFT link and observe?

```
tasneem@SyedAllaBaksh:~/test$
tasneem@SyedAllaBaksh:~/test$ ls
original.txt sl1.txt
tasneem@SyedAllaBaksh:~/test$ cat original.txt
im writing in original .txt

im appending from org.txt
tasneem@SyedAllaBaksh:~/test$ cat sl1.txt
im writing in original .txt

im appending from org.txt
tasneem@SyedAllaBaksh:~/test$ rm original.txt
tasneem@SyedAllaBaksh:~/test$ ls
sl1.txt
tasneem@SyedAllaBaksh:~/test$ cat sl1.txt
cat: sl1.txt: No such file or directory
tasneem@SyedAllaBaksh:~/test$
```

Here, if we remove the original file, then its soft link file also be removed. Even if we try to see the content in soft link file, it'll throw an error as "NO SUCH FILE OR DIRECTORY".

So, basically what I understood from the above scenarios is that, soft link act as a reference of the original file. That's why, when we try to modify the original files, it'll show effect on its soft link file as well.

#### HARD LINKS:

#### 1. MODIFY any HARD link and observer original?

```
tasneem@SyedAllaBaksh:~/hlink
tasneem@SyedAllaBaksh:~/hlink$ touch 1.txt
tasneem@SyedAllaBaksh:~/hlink$ ln 1.txt hl1.txt
tasneem@SyedAllaBaksh:~/hlink$
tasneem@SyedAllaBaksh:~/hlink$
tasneem@SyedAllaBaksh:~/hlink$ ls
1.txt hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat > hl1.txt
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat 1.txt
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat 1.txt
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt
im from hl1.txt
```

Here, whatever content we add in hard link file, we can see that same content in original file as well.

### 2. MODIFY Original file of HARD link and observe?

```
tasneem@SyedAllaBaksh:~/hlink$ ls
1.txt hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat > 1.txt
im from 1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat >> 1.txt
im appended one
tasneem@SyedAllaBaksh:~/hlink$ cat 1.txt
im from 1.txt
im from 1.txt
im appended one
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt
im from 1.txt
im appended one
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt
im from 1.txt
im from 1.txt
im appended one
tasneem@SyedAllaBaksh:~/hlink$
```

When I append or write content in original file, the contents of hard link file also change accordingly.

### 3. Remove any HARD link and observer original?

When I remove the hard link file and check the original file, the contents that were written from hard link file won't delete, it'll save like that only.

```
tasneem@SvedAllaBaksh: ~/hlink
casneem@SyedAllaBaksh:~/hlink$ ls
1.txt hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat >> hl1.txt
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat 1.txt
im from 1.txt
im appended one
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ rm hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ ls
1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat 1.txt
im from 1.txt
im appended one
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$
```

### 4. Remove original file of HARD link and observe?

```
tasneem@SyedAllaBaksh:~/hlink$ ls
1.txt hl1.txt
tasneem@SyedAllaBaksh:~/hlink$ rm 1.txt
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt'
>
-bash: unexpected EOF while looking for matching `''
-bash: syntax error: unexpected end of file
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt'
tasneem@SyedAllaBaksh:~/hlink$ cat hl1.txt
im from 1.txt
im appended one
im from hl1.txt
tasneem@SyedAllaBaksh:~/hlink$
```

Here, if I remove the original file, it doesn't effect on hard link files content which were written in original file. Means, whatever we created in that original file will be saved in its hard link file, it won't remove.

#### Comparison among soft, hard, copy?

(A). Soft link act as a reference of the original file. If we try to modify the original files, it'll also show its effects on its S.L files. If we remove or delete the original file, the soft link file also be deleted. Even if we try to access the S.L files, it throws an error. (It's like breaking the chain).

- (B). Hard link act as a copy of its original file. It'll show the contents of original file as well, same as S.L files. But, if we remove or delete the original file, the data presented in that original file, will still available in it's hard link file, it doesn't effect on hard link files. We can still the H.L files by commands if we want to.
- (C) Copy: if we try to copy a file, it'll duplicate that file data, and if we try to make some changes in that file, the copied file won't show any changes. Also, the copied file won't be deleted if we delete the original file.
- The only difference between copy and S.L files is, if we remove or modify the original file, the S.L file also be removed or modify accordingly.
- Difference between copy and hard link files are very simple, H.L files act as a mirrored file, if we delete the original file, the H.L file won't get effected same as copied file, but can modified according the original file, which we can't see in copied files.

## what are wget, curl commands differences?

wget and curl commands help us to download the files from the server, we just have to paste the URL link. The only difference between wget and curl command is that:

- 1. wget <---- help us to download the files
- 2. curl <---- help us to transfer the data or from the server (URL)

### **SCRIPTS:**

1. write a script to print the date and redirect it to output.txt?

```
tasneem@SyedAllaBaksh: ~

GNU nano 6.2

date +"%d-%m-%y" > output.txt
```

### (nano commands)

```
asneem@SyedAllaBaksh:~$ nano test.sh
asneem@SyedAllaBaksh:~$ ./test.sh
bash: ./test.sh: Permission denied
asneem@SyedAllaBaksh:~$ sudo chmod +x test.sh
asneem@SyedAllaBaksh:~$ ./test.sh
asneem@SyedAllaBaksh:~$ ls
                                    Abc.txt
           1.py
                     12fghgAS.txt
                                                     a123.txt
                                                                 error.txt
                                                                              log.txt
                                                                                           raname.txt
1
           1.txt
                     1a.txt
                                    BC12.txt
                                                     abc.txt
                                                                              'my name'
                                                                                           rename.txt
                                                                                           serverslog.txt
                     4.txt
                                     Sunday26March
1.c
           123.txt
                                                     bc1.txt
                                                                              out.txt
           12a.txt
                     ABC.txt
                                                     cclog.txt
                                                                 index.html
                                                                              output.txt
                                                                                           serverslogs.txt
1.js
asneem@SyedAllaBaksh:~$ cat output.txt
27-03-23
casneem@SyedAllaBaksh:~$
```

2. create a file or folder using the date as the name?

```
Ø
tasneem@SyedAllaBaksh: ~
asneem@SyedAllaBaksh:~$ touch $(date +"%d-%m-%y")
casneem@SyedAllaBaksh:~$ ls
01:06:47 1.py
                      12fghgAS.txt
                                                                               index.html
                                                                                                              serverslogs.txt
                                      ABC.txt
                                                                  cclog.txt
                                                                                             output.txt
                                                                                                                                 test2
1
            1.txt
                      1a.txt
                                      Abc.txt
                                                       a123.txt
                                                                  error.txt
                                                                               log.txt
                                                                                             raname.txt
1.c
            123.txt
                      27-03-23
                                      BC12.txt
                                                       abc.txt
                                                                                             rename.txt
                                                                                                               test.sh
                                      Sunday26March
                     4.txt
                                                                               out.txt
1.js
            12a.txt
                                                       bc1.txt
                                                                                             serverslog.txt
casneem@SyedAllaBaksh:~$
```

3. (i) Create a bash script to print the local time, date, username of your system, and your current path.

```
GNU nano 6.2 date.sh *
echo $(date +"%r, %d-%m-%y"), $(whoami), [$(pwd)] > output.txt
```

(nano commands)

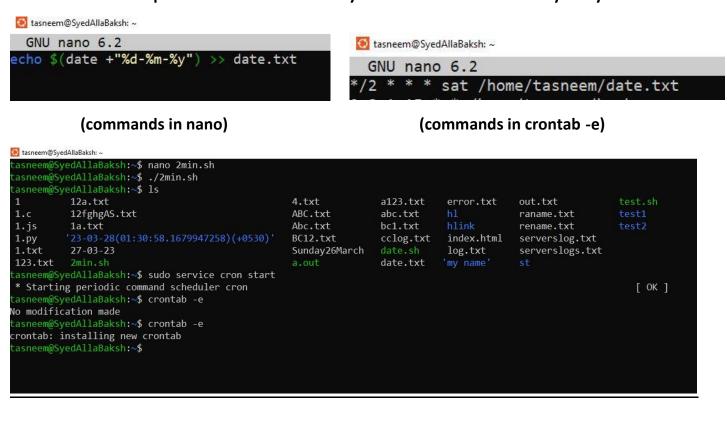
(ii) After printing, redirect the output into a file called output.txt.

```
П
asneem@SyedAllaBaksh:~$ nano date.sh
asneem@SyedAllaBaksh:~$ sudo chmod +x date.sh
asneem@SyedAllaBaksh:~$ ./date.sh
asneem@SyedAllaBaksh:~$ ls
01:06:47 1.py
                      12fghgAS.txt
                                     ABC.txt
                                                     a.out
                                                                cclog.txt
                                                                                          out.txt
                                                                                                       serverslog.txt
                                                                                                       serverslogs.txt
           1.txt
                      1a.txt
                                     Abc.txt
                                                     a123.txt
                                                                             index.html
                                                                                          output.txt
1.c
           123.txt
                     27-03-23
                                     BC12.txt
                                                     abc.txt
                                                                 error.txt
                                                                             log.txt
                                                                                          raname.txt
1.js
           12a.txt
                     4.txt
                                     Sunday26March
                                                     bc1.txt
                                                                            'm∨ name
                                                                                          rename.txt
asneem@SyedAllaBaksh:~$ cat output.txt
12:43:22 AM, 28-03-23, tasneem, [/home/tasneem]
casneem@SyedAllaBaksh:~$
```

(iii) Insert output.txt into a new directory, where the directory name is the current timestamp.

```
tasneem@SyedAllaBaksh: ~/23-03-28(01:30:58.1679947258)(+0530)
tasneem@SyedAllaBaksh:~$ nano date.sh
tasneem@SyedAllaBaksh:~$ ./date.sh
tasneem@SyedAllaBaksh:~$ cat output.txt
01:30:02 AM, 28-03-23, tasneem, [/home/tasneem]
tasneem@SyedAllaBaksh:~$ mkdir $(date +"%y-%m-%d(%T.%s)(%z)") && mv output.txt $(date +"%y-%m-%d(%T.%s)(%z)")
tasneem@SyedAllaBaksh:~$ ls
         123.txt
                                                                               cclog.txt
1
                                                   27-03-23
                                                               Sunday26March
                                                                                            index.html
                                                                                                          rename.txt
                                                                                                                             test1
                                                                                                          serverslog.txt
         12a.txt
1.c
                                                   4.txt
                                                               a.out
                                                                                date.sh
                                                                                            log.txt
                                                                                                                             test2
1.js
                                                                                                          serverslogs.txt
         12fghgAS.txt
                                                   ABC.txt
                                                               a123.txt
                                                                               error.txt
 1.py
         1a.txt
                                                   Abc.txt
                                                               abc.txt
                                                                                            out.txt
       '23-03-28(01:30:58.1679947258)(+0530)'
                                                   BC12.txt
                                                               bc1.txt
                                                                                            raname.txt
                                                                                                          test.sh
tasneem@SyedAllaBaksh:~$ cd '23-03-28(01:30:58.1679947258)(+0530)
tasneem@SyedAllaBaksh:~/23-03-28(01:30:58.1679947258)(+0530)$ ls
output.txt
tasneem@SyedAllaBaksh:~/23-03-28(01:30:58.1679947258)(+0530)$ cat output.txt
01:30:02 AM, 28-03-23, tasneem, [/home/tasneem]
tasneem@SyedAllaBaksh:~/23-03-28(01:30:58.1679947258)(+0530)$
```

4. Create a bash script to execute the date every 2 minutes once on Saturdays only.



#### 5. Take a backup of a folder every month twice?

```
🐼 tasneem@SyedAllaBaksh: ~
 GNU nano 6.2
 kdir -p backup/tdir && cp -r test1 backup/tdir
                                                            0 8 1,15 * * /home/tasneem/twice.sh
            (commands in nano)
                                                                    (commands in crontab -e)
tasneem@SyedAllaBaksh: ~
                                                                                                                   tasneem@SyedAllaBaksh:~$ nano twice.sh
:asneem@SyedAllaBaksh:~$ sudo chmod 777 twice.sh
tasneem@SyedAllaBaksh:~$ ./twice.sh
casneem@SyedAllaBaksh:~$ ls
1
                                                        Sunday26March
                                                                                     local.sh
                                                                                                      serverslogs.txt
1.c
               27-03-23
                                                                                     log.txt
                                                        a.out
                                                                        date
1.js
               29-03-23
                                                        a123.txt
                                                                        date.sh
               29-03-23,02:23:29
1.py
                                                        abc.txt
                                                                        date.txt
                                                                                     out.txt
                                                                        dynac.sh
                                                                                     output.txt
1.txt
               2min.sh
                                                        backup
123.txt
               4.txt
                                                                        error.txt
                                                                                     raname.txt
                                                        bc1.txt
12a.txt
               ABC.txt
                                                                                                      user.sh
                                                        cclog.txt
                                                                                     rename.txt
12fghgAS.txt
               Abc.txt
                                                                                                      wkend.txt
                                                                                     s.sh
1a.txt
               BC12.txt
                                                        count.txt
                                                                        index.html
                                                                                     serverslog.txt
tasneem@SyedAllaBaksh:~$ crontab -e
crontab: installing new crontab
casneem@SyedAllaBaksh:~$
```

#### 6. Print the count of the number of files in a file called count.txt?

```
tasneem@SyedAllaBaksh:~
$
```

7. Create files dynamically every day at 12 AM where the file name is a date?



#### **CRONTAB SCRIPTS LABS:**

1. Write a script to print the current directory and username and redirect it to a file called output.txt?

(nano commands)

```
neem@SyedAllaBaksh:~$ nano user.sh
       yedAllaBaksh:~$ sudo chmod 777 user.sh
sudol password for tasneem:
   em@SyedAllaBaksh:~$ 1s
      1.txt
                    1a.txt
                                                                      BC12.txt
                                                                                      abc.txt
                                                                                                             error.txt
                                                                                                                          log.txt
                                                                                                                                       raname.txt
                                                                      Sunday26March
                                                                                                                                       rename.txt
                     27-03-23
                                                                                      bc1.txt
                                                                                                  date.txt
                                                                                                                          out.txt
                                                                                                                                       serverslog.txt
     12fghgAS.txt 29-03-23
                                                                      a123.txt
                                                                                                             index.html
                                                            Abc.txt
                                                                                      cclog.txt
                                                                                                                         output.txt
                                                                                                                                      serverslogs.txt
      SyedAllaBaksh:~$ cat output.txt
home/tasneem tasneem
sneem@SvedAllaBaksh:~$
```

2. Create a file with the current timestamp as its name inside a folder with the current date as its name?

3. Create a bash script to print the local time, date, username of your system, and your current path and redirect the output into a file called output.txt. Insert output.txt into a new directory, where the directory name is the current timestamp.

```
asneem@SyedAllaBaksh:~$ nano local.sh
:asneem@SyedAllaBaksh:~$ sudo chmod 777 local.sh
:asneem@SyedAllaBaksh:~$ ./local.sh
asneem@SyedAllaBaksh:~$ ls
          12a.txt
                                                                                                      output.txt
1.c
          12fghgAS.txt
                                                  4.txt
                                                                 a123.txt
                                                                                         index.html
                                                                                                      raname.txt
1.js
          1a.txt
                                                 ABC.txt
                                                                 abc.txt
                                                                             date.txt
                                                                                         local.sh
                                                                                                      rename.txt
1.py
                                                 Abc. txt
                                                                                         log.txt
                                                                                                      serverslog.txt
1.txt
          27-03-23
                                                  BC12.txt
                                                                 bc1.txt
                                                                             error.txt
                                                                                                      serverslogs.txt
123.txt
                                                  Sunday26March
                                                                 cclog.txt
                                                                                         out.txt
:asneem@SyedAllaBaksh:~$ cat output.txt
asneem@SyedAllaBaksh:~$ mkdir $(date +"%d-%m-%y,%T") && mv output.txt $(date +"%d-%m-%y,%T"):
asneem@SyedAllaBaksh:~$ ls
          12fghgAS.txt
                                                  4.txt
                                                                 abc.txt
                                                 ABC.txt
1.c
                                                                             error.txt
                                                                                          out.txt
          1a.txt
1.js
         '23-03-28(01:30:58.1679947258)(+0530)'
                                                 Abc.txt
                                                                 bc1.txt
                                                                                          raname.txt
1.py
          27-03-23
                                                 BC12.txt
                                                                 cclog.txt
                                                                                          rename.txt
                                                                                                            user.sh
          29-03-23
                                                  Sunday26March
                                                                             index.html
                                                                                          serverslog.txt
123.txt
                                                                                          serverslogs.txt
                                                  a.out
12a.txt
          2min.sh
                                                 a123.txt
                                                                 date.txt
                                                                             log.txt
casneem@SyedAllaBaksh:~$ cd 29-03-23,02:23:29
asneem@SyedAllaBaksh:~/29-03-23,02:23:29$ ls
tasneem@SyedAllaBaksh:~/29-03-23,02:23:29$ cat output.txt
02:22:36 29-03-23 tasneem /home/tasneem
:asneem@SyedAllaBaksh:~/29-03-23,02:23:29$
```

```
GNU nano 6.2 local.sh
echo $(date +"%T %d-%m-%y") $(whoami) $(pwd) > output.txt
```

(nano commands)

4. Write a script to print the count of the number of files in a folder and redirect the count to a file called count.txt.

```
tasneem@SyedAllaBaksh: ~

GNU nano 6.2

cd count1 && ls *.tx|wc -l > count.txt
```

(nano commands)

```
🧿 tasneem@SyedAllaBaksh: ~/count1
 asneem@SyedAllaBaksh:~$ nano count.sh
asneem@SyedAllaBaksh:~$ ./count.sh
asneem@SyedAllaBaksh:~$ ls
                                                      29-03-23,02:23:29 Sunday26March
          12a.txt
                                                                                             cclog.txt
                                                                                                                        index.html
                                                                                                                                      raname.txt
1.c
          12fghgAS.txt
                                                      2min.sh
                                                                                                           date.txt
                                                                                                                                      rename.txt
                                                                            a123.txt
          1a.txt
                                                      4.txt
                                                                                                                        log.txt
1.py
                                                      ABC.txt
                                                                            abc.txt
                                                                                              count.txt
                                                                                                           error.txt
                                                                                                                                      serverslog.txt
1.txt
          27-03-23
                                                                                                                        out.txt
                                                                                                                                      serverslogs.txt
123.txt
                                                      BC12.txt
                                                                            bc1.txt
                                                                                              date
                                                                                                                        output.txt
                                                                                                                                                          wkend.txt
asneem@SyedAllaBaksh:~$ cd count1
asneem@SyedAllaBaksh:~/count1$ cat count.txt
asneem@SyedAllaBaksh:~/count1$
```

5. Create a bash script to execute the date every 2 minutes once on weekends only?

```
O
asneem@SyedAllaBaksh:~$ nano s.sh
asneem@SyedAllaBaksh:~$ ./sh
-bash: ./sh: No such file or directory
asneem@SyedAllaBaksh:~$ ./s.sh
:asneem@SyedAllaBaksh:~$ ls
               1a.txt
                                                        Abc.txt
                                                                        cclog.txt
                                                                                    error.txt
                                                                                                 output.txt
1.c
                                                        BC12.txt
                                                                                                 raname.txt
1.js
               27-03-23
                                                        Sunday26March
                                                                        count.txt
                                                                                                  rename.txt
1.py
                                                                                     index.html
                                                                                                                    wkend.txt
               29-03-23,02:23:29
                                                                                                 serverslog.txt
1.txt
                                                        a123.txt
                                                                        date
                                                                                    log.txt
123.txt
                                                                                                 serverslogs.txt
               2min.sh
                                                        abc.txt
                                                                        date.sh
12a.txt
               4.txt
                                                                        date.txt
                                                                                    my name
12fghgAS.txt
               ABC.txt
                                                        bc1.txt
                                                                                    out.txt
asneem@SyedAllaBaksh:~$ crontab -e
crontab: installing new crontab
:asneem@SyedAllaBaksh:~$
```

```
*/2 * * * sat /home/tasneem/s.sh
```

(commands in nano)

(commands in crontab -e)

#### 6. Take a backup of a folder daily twice?

0 6,18 \* \* \* /home/tasneem/backup2.sh

(commands in nano)

(commands in crontab -e)

```
asneem@SyedAllaBaksh:
                                                                                                                                                                                                                                                                                        Ø
   sneem@SyedAllaBaksh:~$ mkdir sample && cd sample && touch 1.txt 2.txt 3.txt
   sneem@SyedAllaBaksh:~/sample$ 1s
 asheemmgsyeuArlabaksh:~/sample; 13
.txt 2.txt 3.txt
asneemmgSyedAllaBaksh:~/sample$ cd
asneemmgSyedAllaBaksh:~$ nano backup2.sh
asneemmgSyedAllaBaksh:~$ sudo chmod 777 backup2.sh
 sudo] password for tasneem:
asneem@SyedAllaBaksh:~$ ./backup2
bash: ./backup2: No such file or directory
 asneem@SyedAllaBaksh:~$ ./backup2.sh
adding: sample/ (stored 0%)
adding: sample/1.txt (stored 0%)
adding: sample/2.txt (stored 0%)
adding: sample/3.txt (stored 0%)
asneem@SyedAllaBaksh:~$ sudo service cron start
 * Starting periodic command scheduler cron
                                                                                                                                                                                                                                                                                        [ OK ]
                  .
dAllaBaksh:~$ crontab -e
 rontab: installing new crontab
 asneem@SyedAllaBaksh:~$
asneem@SyedAllaBaksh:~$ crontab -e
 rontab: installing new crontab
asneem@SyedAllaBaksh:~$ ls
                                                                                                                     ABC.txt
                                                                                                                                                                                                                                        rename.txt
                12fghgAS.txt
1a.txt
                                                                                                                    Abc.txt
                                                                                                                                                backup
backup2.sh
                                                                                                                                                                                                                  log.txt
              2.txt
'23-03-28(01:30:58.1679947258)(+0530)'
                                                                                                                                                backup2.zip
bc1.txt
                                                                                                                      Sunday26March
                                                                                                                                                                                                                                        serverslog.txt
                                                                                   30-03-23
                                                                                                                                                                                                                 output.txt raname.txt
                                                                                                                                                                        date
                                                                                                                                                                                                                                        serverslogs.txt
 123.txt 27-03-23
                                                                                                                                                                                                                                                                      wkend.txt
                                                                                                                                                cclog.txt
```