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Explore CLI of Linux

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Target: Learn or Revise at least 5 commands everyday

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Please feel free to modify this file.

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Explore CLI of Linux-1: man, help, uname, clear, pwd, cd, ls [7 commands]

Explore CLI of Linux-2: touch, echo, >, cat, less, cp, vi, su, id, whoami, who, w, exit [13 commands]

Explore CLI of Linux-3: >>, gedit, stat, link, ln,

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1. re-directional operator (>>): append the output of a command into a file.

Command:

\$ command >> out.txt

Examples:

\$ echo 'Bangladesh is my motherland.' > file1.txt

\$ cat file1.txt

Bangladesh is my motherland.

\$ echo 'It has many green trees.' >> file1.txt

\$ cat file1.txt

Bangladesh is my motherland.

It has many green trees.

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2. gedit: text editor for the GNOME Desktop

Command:

\$ gedit [open an editor for an unnammed file]

\$ gedit fileName [open an editor for 'fileName']

Examples:

\$ gedit file1.txt

[[It works like 'Notepad'. ]]

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3. stat: display file or file system status

Command:

\$ stat [OPTION]... FILE...

Examples:

\$ stat file1.txt

File: 'file1.txt'

Size: 54 Blocks: 8 IO Block: 4096 regular file

Device: b301h/45825d Inode: 412159 Links: 1

Access: (0664/-rw-rw-r--) Uid: ( 1000/sangeeta) Gid: ( 1000/sangeeta)

Access: 2017-09-07 18:12:22.296594179 +0600

Modify: 2017-09-07 18:12:19.400482603 +0600

Change: 2017-09-07 18:12:19.400482603 +0600

Birth: -

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4. link: call the link function to create a link to a file.

Command:

```
$ link FILE1 FILE2
```

Examples:

```
/****** To create a link named FILE2 to an existing FILE1. *****/
```

```
$ link file1.txt linkFile1.txt
```

```
$ stat linkFile1.txt
```

```
File: 'linkFile1.txt'
```

```
Size: 54      Blocks: 8      IO Block: 4096  regular file
```

```
Device: b301h/45825d      Inode: 412159   Links: 2
```

```
Access: (0664/-rw-rw-r--) Uid: ( 1000/sangeeta)  Gid: ( 1000/sangeeta)
```

```
Access: 2017-09-08 16:40:15.221513604 +0600
```

```
Modify: 2017-09-07 18:12:19.400482603 +0600
```

```
Change: 2017-09-08 16:40:09.397509089 +0600
```

```
Birth: -
```

```
$ stat file1.txt
```

```
File: 'file1.txt'
```

```
Size: 54      Blocks: 8      IO Block: 4096  regular file
```

```
Device: b301h/45825d      Inode: 412159   Links: 2
```

```
Access: (0664/-rw-rw-r--) Uid: ( 1000/sangeeta)  Gid: ( 1000/sangeeta)
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Access: 2017-09-08 16:40:15.221513604 +0600
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```

```
Change: 2017-09-08 16:40:09.397509089 +0600
```

```
Birth: -
```

Notes:

1. All linked files (e.g., file1.txt and linkFile1.txt) will have the same inode.

It means there is physically only one file.

2. Modifying via one link will modify the physically existed file. So, modified contents can be shown via all links.

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3. exit: cause normal process termination

Command:

```
$ exit
```

Example:

```
/****** To exit from a substitute user *****/
```

```
sangeeta@sangeeta-Aspire-one-1-131:~$ pwd
```

```
/home/sangeeta
```

```
sangeeta@sangeeta-Aspire-one-1-131:~$ su puchku
```

```
Password:
```

```
puchku@sangeeta-Aspire-one-1-131:/home/sangeeta$ pwd
```

```
/home/puchku
```

```
puchku@sangeeta-Aspire-one-1-131:/home/sangeeta$ exit
```

```
exit
```

```
sangeeta@sangeeta-Aspire-one-1-131:~$
```

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