**File related commands**

**1. Touch:**

It is use to create empty .txt file

**Syntax:** $ touch filename

**2. Cat:**

This is command is used for many purposes

1. Create a file. ($cat > file)

2. To display the content of file. ($cat file or $cat < file)

3. To append (add) data at the end of file. ($cat >> file)

4. Concatenate more than one file. ($cat file file1)

5. Copying many files into a single file. ($cat file file1 > file2)

**Syntax:** $ cat

**3. More**

To show content in a file. I will show content page by page.

**Syntax:** $more

**4. Less**

To show content in a file with 'END' keyword. It is providing the flexibility to move up and down into the file by using up and down arrow. Same like more it will show page by page data.

These commands are used to open large data/content file in real time scenarios.

**Syntax: $less**

**5. CP**

It will erase or overwrite data into file.

Syntax: $cp f1 f2

Note: it will erase or overwrite data into f2 and copy f1 data into f2.

**6. mv**

Rename a file or move the file.

**Syntax:** $mv f1 f2 - moving the data from f1 to f2

$mv d1 d2 - While using the purpose of rename but condition is that the file should exist in directory then only we can rename the file.

**Note:** f1 data copies f2 i.e. f1 will be permanently deleted by copying the data into new file i.e. f2.

**7. Head**

It will display top 10 records by default from a file.

**Syntax:** $head filename, head option filename.

Ex: head p1, head -9 p1, $head -22 p1

**8. Tail**

It will display bottom 10 records by default from file.

**Syntax:** $tail filename or tail option filename

**Ex:** tail -2 p1, tail p1, tail -22 p1

**Note**

If we want to display middle lines from file.EX- line no 3 to 7

Formula : (7-3)+1=5

Command- Head -7 F1 | tail -5

If we want to display particular one line from file. Ex- No 5

head -5 F1 | tail -1

If we want to display different number of lines from file. Ex- No 5 , No7 , No9

Head -5 F1 | tail -1 &&

Head -7 F1 | tail -1 &&

Head -9 F1 | tail -1

**9. rm**

It is used to remove file from directory. We can delete more than one file at one time by using same syntax.

**Syntax:** $rm filename,

**Ex:** rm p18 p1

***Q: how to create empty or simple .txt file?***

***Q: what is the purpose of cat?***

***Q: how we can overwrite a file?***

***Q: How to transfer or how to copy first 5 data into second file without overwriting and with overwriting?***

***Q: How to display file with line number?***

***Q: Difference between cp , mv and cat commands.***

|  |  |  |
| --- | --- | --- |
| **cp** | **mv** | **cat** |
| Copy paste | Cut paste | Copy paste |
| Overwrite | Overwrite | Doesn’t overwrite |
| First file exist with data | First file doesn’t exist with data | Both files exist with data |
| cp F1 F2 | mv F1 F2 | cat F1>> F2 |
|  | I acts as rename |  |