Working with files …..continue

Q. How many ways do you know to create a file?

Ans: I know three way of file creation
     i) Using touch command
     ii) Using cat command
     iii) Using editors

Q. When we should we go with touch command?

Ans: i) If we want to create an empty file then we should
       go with touch command

    ii) If we want to change time stamp of file then
       we should go with touch command

Note: time stamp of a file means- date of creation or
      date of modification

Q. What is syntax of touch command to create an empty file?

  Ans: touch File_name

Q. What is syntax of touch command to create multiple empty files at a time?

  Ans: touch File1_name file2_name file3_name

Second Way to Create a file : using cat command

-> cat stands cantenation
-> with the help of cat command we can
   i) create a new File
   ii) we can append data in the existing file

```
Syntax of creating a file using cat command

cat > File_name
//content goes
//here
// after adding content
//press crtl+D to save and exit from cat
```

Example

```
cat > May_2022.txt
Hello Friends Good Morning
Welcome on Linux
Please listen carefull
otherwise you may get problem
to understand the concept

ctrl+d => To save the content into file and to exit from
cat command
```

Practical

```
root@DESKTOP-1VT9LL4:~# cat > May_2022.txt
Hello Friends Good Morning
Welcome on Linux
Please listen carefull
otherwise you may get problem
to understand the concept
root@DESKTOP-1VT9LL4:~# cat May_2022.txt
```

If we want to display the content of file then use cat command

cat File_name

Example cat May_2022.txt

cat -n File_name

To display the content with line number

Example cat -n May_2022

cat > May_2022.txt

When this command get execute we have two possibily

Possibility 1: If given file is already present with some content then all the existing content will get deleted and new content get added in that file

Possibility 2: If given file is not present then new file get created

Q. How we use cat command to perform append operation?

    cat >> File_name
    type content here
    press crtl+d : to save the content

Q. How we use cat command to perform overriding and append operation?
Ans :
      use > for overriding
      use >> for appending

Q. What is difference between cat and touch command?
Ans: with touch command we can create only empty file
      but with the help of cat command we create a file with some content

Q. If we are using touch command but file is already is available
   what will happens?

Ans: The content of the file won't be changed, but last modified date
     and time will be updated

When we should go for touch command to change the time stamp?

Assume we have one shell script,job of that shell script is
to select today's date files and send to remote server.
Assume that On sunday this script is not executed due to some reason.
On monday we have to re-execute that shell script but probelm with
script is it select only today's date not yesterday's files.
So, here we use touch command to change the time stamp file
to make available for today.

To view the content, we have different command and these are as below

1) cat command

2) tac command

3)rev command

4) head command

5) tail command

6) more command

7)less command
----
1) Display the content using cat command

syntax : cat file_name

or

Syntax : cat -n File_name

To display content with line number

2) tac command : To display the content

-> it is reverse of cat

-> I will display file content in reverse order of lines.
    First line will become last line and last line will become first

-> This is vertical reverse

Example :

```
root@DESKTOP-1VT9LL4:~# cat Test.java
Java is programming languge
It invented by James
it is invented in 1961
it is popular programming language
Java is platform independet
Java programs can be executed on Linux
as well as windows
```

```
root@DESKTOP-1VT9LL4:~# tac Test.java
as well as windows
Java programs can be executed on Linux
Java is platform independet
it is popular programming language
it is invented in 1961
It invented by James
Java is programming languge
```

3) rev command

-> rev means reverse

--> Here each line content will be reversed

-> It is horizotal reverse

Syntax : rev File_name

Example

```
root@DESKTOP-1VT9LL4:~# rev Test.java
egugnal gnimmargorp si avaJ
semaJ yb detnevni tI
1691 ni detnevni si ti
egaugnal gnimmargorp ralupop si ti
tednepedni mroftalp si avaJ
xuniL no detucexe eb nac smargorp avaJ
swodniw sa llew sa
```

```
4) head command

--> This command is used to display top lines from a file

--> Syntax

    head File_name


    Example head Test.java

It will display top 10 lines from a file

10 is default value of number of lines
```

```
Other Examples


head -5 Test.java

It will display top 5 lines
```

```
head -8 Test.java

It will display top 8 lines
```

```
head -15 Test.java


It will display top 15 lines
```