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81. Discuss oteps of file creation and editing the file.

Ans: Linux file oyotem considers everything as a file in Linux; whether
it is text file, compiled program,
directories etc. Linux files are care
sensitive, so file1.txt and File1.txt
will be considered as two different
files. These are various ways to
create a file in Linux lêke:-

O vsing eat command: It is the most universal command for creating a file.

By ntax: cat > test. txt (file name)

Deing touch command: By using touch command we can create a empty file or multiple empty file.

Syntax: touch (filename)

(3) Using echo command: It its also used to create a file, but we should specify the file content on the command line.

Symax: echo "file content"> filename

- Linux file explem allows us to operate various operations on files like create edit, rename, remove.

For editing a file in linux we can use editor commands like:

1 VI editor: It is the most widely used text editor in Linux

Syntax: vi <filename> Example: vi test. ****

Now our test text file is open but it is in normal mode (reading mode) If we want to edit contents of file first press i (insert mode) and write whatever you want and for saving the file first we have to press esc leey and then press : wo [for save and exit). Now our file content is edited and save our ressfully.

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(2) Nano editor: It is also used to edit

Syntax: nano (filename) Example: nano test. ext

The above command will open the test txt test txt file. To edit the test txt file, more the eussor and enter the desired text and press ctatt o lays to pave the file and press ctatt. Ctalt x keys to exit from the editor.

3) gedit editor: It is also used to edit

Syntax: gedit (filename) Example: gedit kest txt

The above command will open the test txl file. To edit the dest txl file in edit the dest txl file, move the cursor and enter the desired dext and clicic on save button and close the file by clicking on cross button in the top right-corner.

- 02. Discuss the special characters of Linux
- Ans: These are many openial icharacters of Lincix:
 - (1) ~ (Tilde): The tilde(~) is shorthand for our home directory. Wherever we are in the filesystem, we can use this command to go to our home directory.

 eg: ed ~
 - (2) · (single dot): A period (·) represents

 the elerrent directory. For example

 if you want to run a script from

 the elerrent directory, we would

 call it like: ·/script·sh
 - 3).. (double dot): The double dot represents
 the parent derectory of our enternt
 one.
 eq: cd..
 - (4) 1 (forward slash). De can use this command to more to the root directory quickly.

 eq: cd/

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- (5) #(hash): De can use hash symbol for comment line.
 eg: # The will be ignored by the Bowh
- 6) ? (Question mark): It represents exactly one character.
 eg: ls text? txt
- * (asterisk): It is used to standary
 sequence of characters, including
 no characters.
 eg: 18 badge*
- (8); (oemicolon): De can use it for type as many commands as you can.
 eg: ls > count txt; wc I count txt;
 rm count txt
- (9) & (ampersand): It is used for Background process.

 eg: gedit file1. Ext &
- (10) 1 (pipe): It is used for filters.
 eg: cat file1/grep^a/sort-r

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- 83. Discuss flow to pass the parameters to functions and how to return the value.
- Ans: A shell runction is nothing but a set of one or more commands/ statements that act as a complete routine.
 - → Each runction must have a unique name.
 - Shall functions have their own commands line argument or parameters.
 - -> Use shell variable \$1,\$2,...\$n to access argument passed to the sunction.

Function weith pasameter

meal) #function name

ceho "Hello McA \$1 \$2"

mea Otal Kumas #invoke function

function arg 1 arg 2

name

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Output Hello MCA stul Kumas. Function with pasameter and return eype. meal) Hounction decleased echo"Hello MCA \$1 \$2" release 420 # return type mca atel Kumas vas = \$? echo "Return is Evar" Output Hello MCA Otal Kumar

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