

# vi Editor



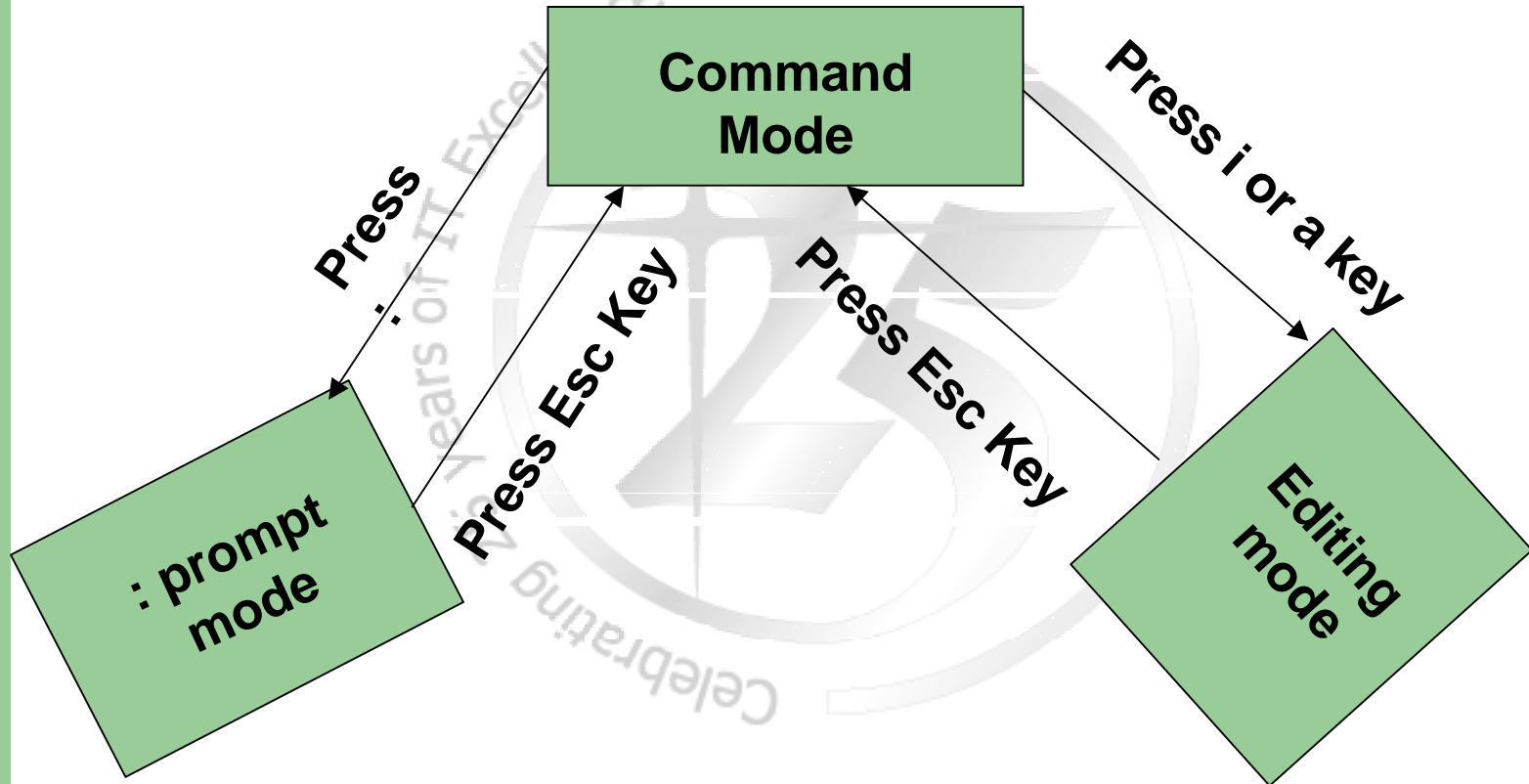
## VI EDITOR

- **Visual Editor is Unix system default editor.**
- **It allows you to move the cursor around in the edit buffer window easily.**
- **The cursor may be moved forward or backward a character, a word, a sentence or a paragraph at a time.**
- **Modes in Visual editor**

## Three modes

- **Vi editor has three modes :**
- **Mode 1 – command mode**
- **Mode 2 – input mode**
- **Mode 3 – ex mode**

# Modes in Visual editor



# Set showmode

- Till you can get familiar in working with vi , it is advisable that you use a command 'set showmode' at the prompt , before you start editing .
- This command sets any of the parameters of the vi environment & displays a message at the bottom right of your screen , whenever the input mode is invoked .
- To set this mode enter a: ( the ex prompt)
- Then at the colon prompt type:  
:set showmode
- This is command in ex mode .

# Command For Insertion

Command	Operation
<b>i</b>	<b>Insert before cursor</b>
<b>I</b>	<b>Insert at beginning of line</b>
<b>a</b>	<b>Append after cursor</b>
<b>A</b>	<b>Append at the end of the line</b>
<b>o</b>	<b>Insert a blank line below cursor position</b>
<b>O</b>	<b>Insert a blank line above cursor position</b>

# Command For Cursor Movements

Command	Operation
<b>h</b>	From current position one char towards left
<b>L</b>	From current position one char towards right
<b>J</b>	From current position one line towards down
<b>K</b>	From current position one line towards down
<b>0</b>	Takes cursor from any position of current line to the BOF current line.

<b>\$</b>	<b>Takes cursor from any position of current line to the BOF current line.</b>
<b>H</b>	<b>First line of screen (1<sup>st</sup> character)</b>
<b>M</b>	<b>Middle of screen (1<sup>st</sup> character)</b>
<b>L</b>	<b>Last line of screen (1<sup>st</sup> character)</b>



## Command For Cursor Movements

Command	Operation
<b>^E</b>	<b>Scroll down one line</b>
<b>^Y</b>	<b>Scroll up one line</b>
<b>^U</b>	<b>Scroll up half a window</b>
<b>^D</b>	<b>Scroll down half a window</b>
<b>^F</b>	<b>Move window forward through the file.</b>

<b>^b</b>	<b>Move window backward through the file.</b>
<b>w</b>	<b>Move forward to beginning of word</b>
<b>e</b>	<b>End of the current word</b>
<b>b</b>	<b>Move backward to the beginning of word</b>
<b>:n</b>	<b>To go to particular line (:10)</b>
<b>:\$</b>	<b>To go to the last line of the file</b>

# Command For Deleting Text

Command	Operation
<b>x</b>	Delete a char at the cursor position and line shift towards left (like del key)
<b>X</b>	Delete a char at the previous cursor position and line shift towards left (like backspace key)
<b>dd</b>	Delete the current line
<b>dw</b>	Delete the current word
<b>D</b>	Delete upto end of line from cursor position
<b>ndd</b>	Delete n lines from current line
<b>ndw</b>	Delete n words from current word

## Command For Changing Text

Command	Operation
<b>r</b>	<b>Replace current character by later</b>
<b>R</b>	<b>Replace more than one character (Press Esc key to terminate)</b>
<b>ns</b>	<b>Substitute n characters by any no . Of characters (Press Esc key to terminate)</b>
<b>C</b>	<b>Change to end of line from cursor position (Press Esc key to terminate)</b>
<b>cw</b>	<b>Change word (Press Esc key to terminate)</b>

# Yanking (Copy & Paste) & Undo

Command	Operation
<b>yy   Y</b>	<b>From any position of current line yanks the current line</b>
<b>p</b>	<b>Paste below the current line</b>
<b>P</b>	<b>Paste above the current line</b>
<b>nyy   nY</b>	<b>Yanks n lines from current line</b>
<b>yw</b>	<b>yanks the current word</b>
<b>u</b>	<b>Undo the last change (toggle between the current &amp; last change)</b>
<b>U</b>	<b>Cancels all the changes done on the current line.</b>

# Colon Prompt commands

Command	Operation
<b>w</b>	<b>Save</b>
<b>wq</b>	<b>Save &amp; quit vi editor</b>
<b>w &lt;new file&gt;</b>	<b>Save as new file</b>
<b>q</b>	<b>Quit (provided file has been saved)</b>
<b>q!</b>	<b>Quit without saving</b>
<b>w! &lt;new file&gt;</b>	<b>Overwrite existing file</b>
<b>e &lt;filename&gt;</b>	<b>To open another file</b>
<b>e#</b>	<b>Toggle between current &amp; previous file</b>
<b>rew</b>	<b>To go the first file</b>
<b>n</b>	<b>To move to the next file</b>

## Options to vi

- If you had a lot of unsaved editing when the crash occurred, use the following command after the system is up :

**\$ vi -r <filename>**

- Vi can also be invoked with a line number to start the window from the specified line, using the + symbol. Thus the command

**\$ vi +40 unix1**

**calls up the file with the cursor positioned at the first word of the 40<sup>th</sup> line.**