

## VI EDITOR

### VI EDITOR MODES:

There are three modes in VI editor:-

#### 1. Insert Mode

It is used to do the operations inside the file like changing the information.

#### 2. Command Mode

It contains the following operations:

- (i) Cursor Moving Operations
- (ii) Copy operations
- (iii) Delete & Cut Operations

#### 3. Exit Mode

It is used to do the final mode of operations in a file like save & close the file and finding words in a file.

### INSERT MODE:

Eight keys are used to get into the insert mode. They are: " i, I, a, A, o, O "

#### Functions:

- i -> It inserts a new character in the current cursor position.
- a -> It inserts a new character in the next cursor position.
- I -> It inserts a new character in the beginning of the current line.
- A -> It inserts a new character in the end of the current line.
- o -> It inserts a new line below the cursor position.
- O -> Create a new line above the cursor position.

### COMMAND MODE:

#### (i) Cursor Moving Operations:

- j -> It moves the cursor down (Down arrow key).
- k -> It moves the cursor up (Up arrow key).
- l -> It moves the cursor right (Right arrow key).

h -> It moves the cursor left (Left arrow key).  
Shift+m -> Moves the cursor to the middle page line.  
Shift+l -> Moves the cursor to last page line.  
Shift+h -> Moves the cursor to first page line.  
Ctrl+f -> Performs page down operation.  
Ctrl+b -> Performs page up operation.  
w -> Moves the cursor to the initial position of every word in forward direction.  
b -> Moves the cursor to the initial position of every word in backward direction.  
e -> Moves the cursor to the end position of every word in forward direction.  
(n)+w -> Moves the cursor to the number of words in forward direction.  
(n)+b -> Moves the cursor to the number of words in backward direction.  
(n)+j -> Moves the cursor to the number of lines down.  
(n)+k -> Moves the cursor to the number of lines up.  
(n)+l -> Moves the cursor to the number of characters right.  
(n)+h -> Moves the cursor to the number of characters left.

### **(ii) Copy Operations:**

yw -> Copy a word in forward direction.  
yb -> Copy a word in backward direction.  
yy -> Copy a line in the current cursor position.  
(n)+yw -> Copy the number of words in forward direction.  
(n)+yb -> Copy the number of words in backward direction.  
(n)+yj -> Copy the number of lines from the current cursor position to the below.  
(n)+yk -> Copy the number of lines from the current cursor position to the above.  
(n)+yl -> Copy the number of characters from the current cursor position in forward direction.  
(n)+yh -> Copy the number of characters from the current cursor position in backward direction.  
p -> Paste the copied information.  
u -> Redo only the lastly changed information.  
r -> Replace a character at the cursor position.

### **(iii) Delete & Cut Operations:**

x -> Delete a character at the current cursor position.  
X -> Delete a character at the previous cursor position.  
dd -> Delete a line at the current cursor position.  
dj -> Delete a line from the current cursor position to the below.  
dk -> Delete a line from the current cursor position to the above.  
dl -> Delete a character in forward direction.  
dh -> Delete a character in backward direction.  
dw -> Delete a word in forward direction.  
db -> Delete a word in backward direction.  
(n)+dd -> Delete the number of lines next to the cursor position.  
(n)+dj -> Delete the number of lines in the current cursor position to the below.

(n)+dk -> Delete the number of lines in the current cursor position to the above.  
(n)+dl -> Delete the number of characters in forward direction.  
(n)+dh -> Delete the number of characters in backward direction.  
(n)+dw -> Delete the number of words in forward direction.  
(n)+db -> Delete the number of words in backward direction.  
d+G -> Delete the entire file contents from the cursor position to the last page line.  
d+H -> Delete the entire file contents from the cursor position to the first page line.

**EXIT MODE:**

Esc Shift : w -> Save only  
: q -> Close only  
: wq -> Save and Close  
: w! -> Force to save  
: q! -> Force to close  
: wq! -> Force to save and close  
: x -> Save and Close  
: s /(find word)/(replace word)/g -> Find & replace the multiple occurrence of a word in a line.  
: s /(find word)/(replace word) -> Find and replace a word in a line  
: 1,\$ s/(find word)/(replace word) -> Find & replace a word in the whole file.