

# UNIX

Lesson 05 : VI Editor



# Lesson Objectives

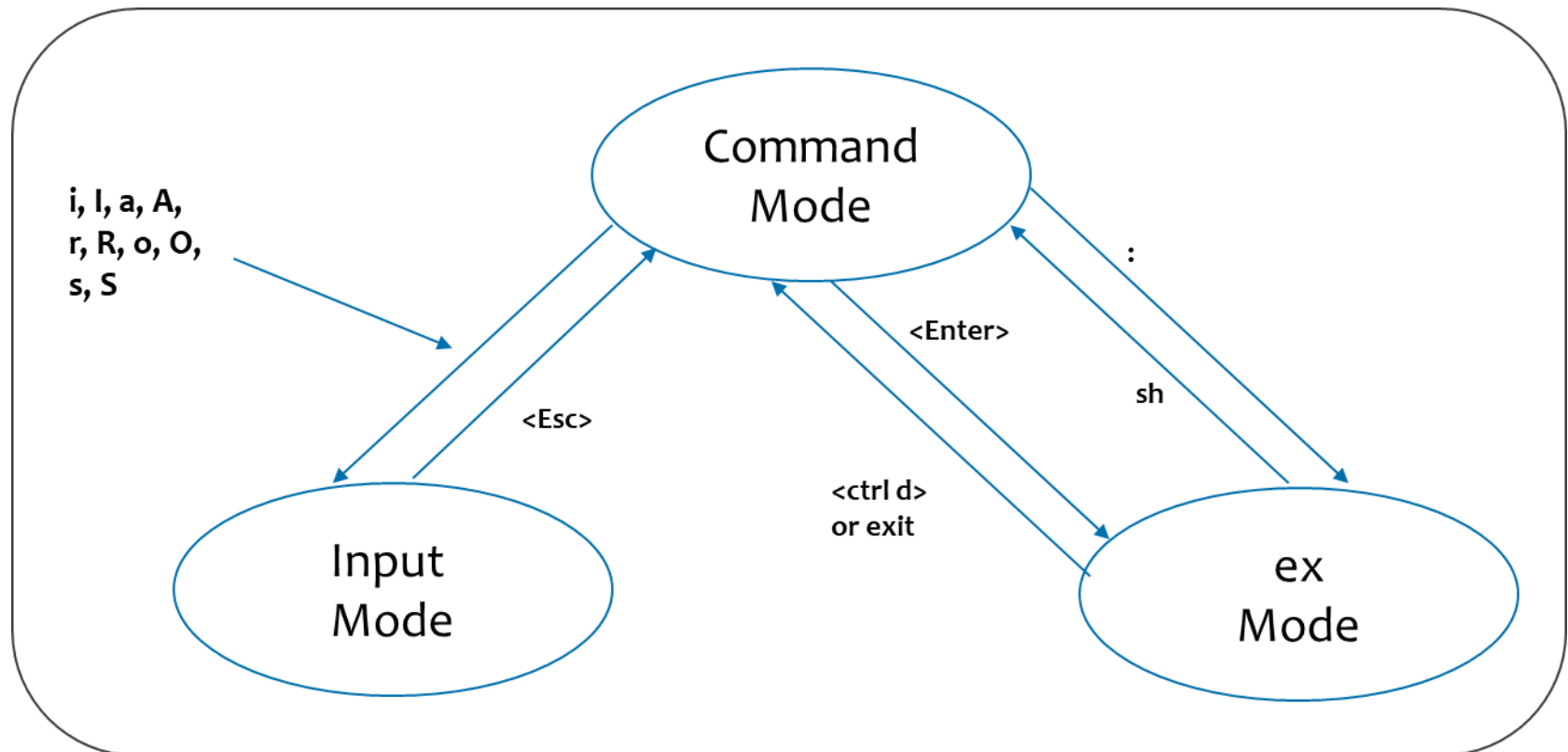
- In this lesson, you will learn:
  - Different modes of vi editor
    - Input
    - Command
    - Esc mode
  - Input mode commands
  - Vi editor – Save & Quit
  - Navigation commands
  - Paging functions
  - Search and repeat commands





## 5.1: Modes of Vi Editor Introduction

- Three Modes of Vi Editor are:





## 5.2: Input Mode Commands

### Contents

<u>Command</u>	<u>Function</u>
i	Insert text to left of cursor
I	Inserts text at beginning of line
a	Appends text to right of cursor
A	Appends text at the end of line
o	Opens line below
O	Opens line above



### Command

### Function

r

Replaces single character under  
cursor with character (no<Esc>)

R

Replace text from cursor to right



## 5.3: Vi Editor – Save & Quit Description

➤ From input mode to command mode press <Esc>

➤ From command mode:

- To Save : w
- To Quit : q
- To Quit without saving : q!
- To save & quit : wq
- or : x



## 5.4: Navigation Commands

### Overview

<u>Command</u>	<u>Function</u>
• h	Moves cursor left
• j	Moves cursor down
• k	Moves cursor up
• l	Moves cursor right
• ^	Moves cursor to beginning of first
• \$	Moves cursor to end of line
• b	Moves cursor backwards to beginning of word
• e	Moves cursor forward to end of word
• w	Moves cursor forward to beginning of word



## 5.5: Paging Functions Details

<u>Command</u>	<u>Function</u>
<Control-f>	Full page forward
<Control-b>	Full page backward
<Control-d>	Half page forward
<Control-u>	Half page backward





## 5.6: Search and Repeat Commands Details

<u>Commands</u>	<u>Functions</u>
/pat	Searches forward for pat
?pat	Searches backward for pattern pat
n	Repeats search in the same direction along which the previous search was made (no repeat factor)
N	Repeats search in a direction opposite to that which the previous search was made (no repeat factor)



## 5.7: Vi Editor – Other Features

### Using set command

- **Set command is used to customize the behavior of the VI editor**
- **Some of the useful commands**

Sr no.	Command	Description
1.	:set autoindent or :set ai	To set autoindent on
2	:set number or :set nu	To Displays lines with line numbers on the left side
3	:set smd or :set showmode	To show the actual mode of the editor that you are in at the bottom line.
4.	:set wm=x or :set wrapmargin=x	To automatically wrap the word on next line, x will be any nonzero value. (:set wm=2 sets the wrap margin to 2 characters)



## 5.7: Vi Editor – Other Features Details

- **Joining line:**
  - J - to join current line with next line
  - 4J - to join 4 lines from current line
- **Undo last Instruction - u**
- **Reverse all changes made to current line – U**
- **Using set command**

## SUMMARY

- In vi editor:
  - esc key is used to change the mode.
  - esc - \$ is used to move cursor at the end of the file.
  - wq is used to write (save) and quit from the file.
  - q! is used to quit without saving.

# Review Questions

- What command is used to copy the lines in vi editor?
- \_\_\_\_\_ command search for the pattern in vi editor in forward direction?
- What is the <control b> command used for?
- VI editor is stream Oriented?
  - True
  - False

