



RHSA1

Red hat System Administration 1



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Course Plan

Day 03



- VI
- Global files
- Alias
- Environment variables
- Pattern matching
- LAB 3



Notes Before LAB

VIM

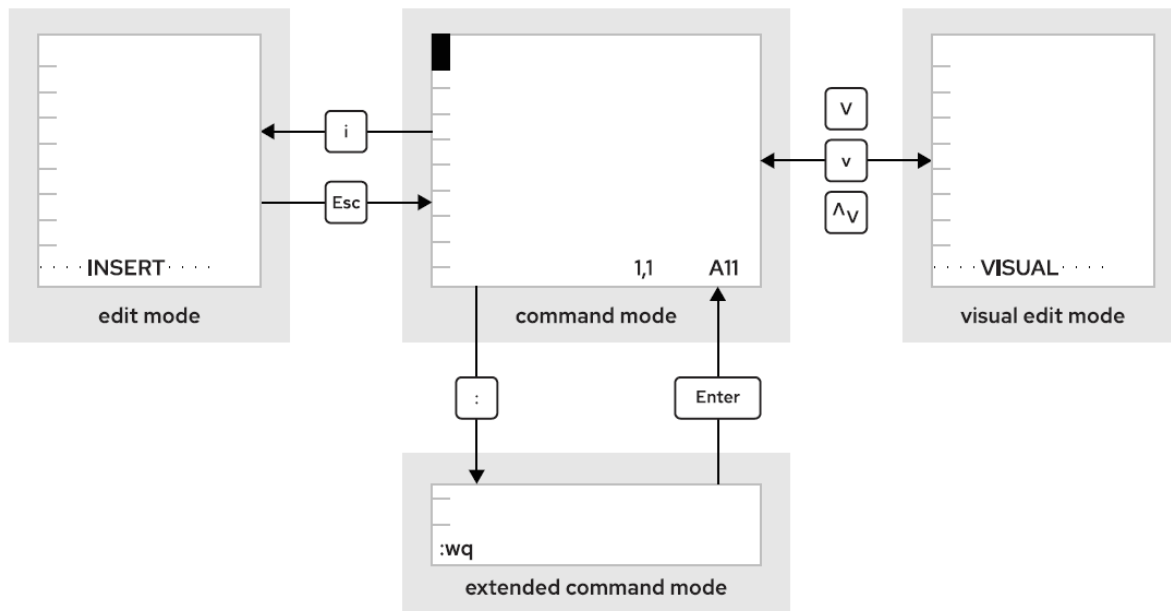


Figure 5.10: Moving between Vim modes

VIM



- Try: h j k l . as a navigations
 - w forward one word.
 - b back one word.
 - e to the end of the current word.
 - O to the beginning of the line.
 - u key undoes the most recent edit.
 - x key deletes a single character.
- | | |
|-----------|---|
| :w | (save) the file and remains in command mode |
| :wq | (save) the file and quits Vim. |
| :w file | save as |
| :q | quit |
| :q! | quits Vim, and discards all file changes |
| :set nu | set number of lines |
| :set nonu | unset |
| :4,7d | delete from line 4 to 7 |
| :5 | go to line 5 |

VIM



/string	Searches forward for the string.		
n	Searches for the next occurrence of the string.		
N	Searches for the previous occurrence of the string.		
%s/old/new/g	Searches for the old string and replaces it with the new string globally.		
yy	copy the entire line		
p	for paste it		
J	make the line concatenate with the upper line		
~	switch capital		
x	delete		
X	backspace		
w	beginning of the next word		
e	end of the next word	\$	end of line
o	opens a new line down + insert mode	O	begin of the line
a	Appends text after the cursor.	1G	first line
O	open a new line up + insert mode	5G	begin of the 5 th line
A	append text at the end of the line.	G	begin of the last line
dd	delete the entire line		

Global Initialization Files



Initialization files in Linux are scripts that the shell runs during startup.

bash_profile
profile
bashrc
bash_login

Environment Variables

They can store information about the system environment and the configuration of the system.

echo \$SHELL
\$HOME
\$PWD
\$USER
\$HOSTNAME
#printenv #set

Alias

shortcut for a command or a series of commands.

#alias name='command'
#unalias name

Pattern Matching & Meta characters



- Asterisk(*): represents 0 or more character, except leading **ls f***
- Question mark(?) character represents any single character **ls file?**
- Square bracket([]): represent a range of characters for a single character position. **ls[a-f]***
- The tilde character (~), matches the current user's home directory
- Variable Expansion
 VARIABLENAME=value
- Command Substitution
 \$(command)

LAB 03



1. Using vi write your CV in the file mycv. Your CV should include your name, age, school, college, experience,...
2. Open mycv file using vi command then: Without using arrows state how to:
 - a. Move the cursor down one line at time.
 - b. Move the cursor up one line at time.
 - c. Search for word age
 - d. Step to line 5 (assuming that you are in line 1 and file is more than 5 lines).
 - e. Delete the line you are on and line 5.
 - f. How to step to the end of line and change to writing mode in one-step.

LAB 03



3. List the available shells in your system.
4. List the environment variables in your current shell.
5. What are the commands that list the value of a specific variable?
6. Display your current shell name.
7. State the initialization files of: sh, ksh, bash.
8. Edit in your profile to display date at login and change your prompt permanently.
9. Execute the following command :
 echo \ then press enter
 What is the purpose of \ ?
 Notice the prompt ">" what is that? and how can you change it from ">" to ":".
10. Create a Bash shell alias named ls for the "ls -l" command