LAB 7

Course Code: CSC 2209   Course Title: Operating Systems

Dept. of Computer Science
Faculty of Science and Technology

Lecturer No:	07	Week No:	07	Semester:	
Lecturer:	*Name & email*				

Lecture Outline

1. vi Editor
2. Modes of vi Editor
3. Create, Save, and Quit in vi
4. Vi Commands to Start Typing
5. Vi Commands to Move Around a File
6. Vi Commands to Delete Character and Line
7. Vi Commands to cut, copy, and paste

vi Editor

What is vi editor?

The vi editor is elaborated as visual editor. It is installed in every Unix system. It is a very powerful application. An improved version of vi editor is vim but most Linux systems have vi editor installed.

Modes of vi Editor

vi editor has two modes:

Command Mode: In command mode, actions are taken on the file. The vi editor starts in command mode. Typed words will act as commands in vi editor. To pass a command you have to be in command mode.

Insert Mode: In insert mode, entered text will be inserted into the file. Esc key will take you to the command mode from insert mode.

Modes of vi Editor (cont'd)

• By default, vi editor starts in command mode. To enter text, you have to be in insert mode, just **type i** and you'll be in insert mode. Although, after typing I nothing will appear on the screen but you'll be in insert mode. Now you can type anything.

• To exit from insert mode press **Esc key**, you'll be directed to command mode.

• The vi editor tool is an interactive tool as it displays changes made in the file on the screen while you edit the file.

• In vi editor you can insert, edit or remove a word as cursor moves throughout the file.

• Commands are specified for each function like to delete it's x or dd

• The vi editor is case-sensitive

Create, Save, and Quit in **vi**

vi syntax to create or open a file: **vi** fileName

To save file and quit vi editor you can use the given commands below

Commands	Action
:wq	Save and quit
:w	Save
:q	Quit
:w	fname Save as fname //
ZZ	Save and quit
:q!	Quit discarding changes made
:w!	Save (and write to non-writable file) //

To exit from vi, first ensure that you are in command mode. Now, type :wq and press enter. It will save and quit vi editor Type **:wq** to save and exit the file.

Vi Commands to Start Typing

Commands	Action
i	Start typing before the current character
I	Start typing at the start of current line
a	Start typing after the current character
A	Start typing at the end of current line
o	Start typing on a new line after the current line
O	Start typing on a new line before the current line.

Vi Commands to Move Around a File

commands	Action
j	To move down
k	To move up
h	To move left
l	To move right

Vi Commands to Delete Character and Line

commands	Action
x	Delete the current character
X	Delete the character before the cursor
r	Replace the current character
xp	Switch two characters
dd	Delete the current line
D	Delete the current line from current character to the end of the line

Vi Commands to cut, copy, and paste

commands	Action
dd	Delete a line
yy	(yank yank) copy a line
P	Paste after the current line
p	Paste before the current line

Books

❑ Unix Shell Programming

    ❑ Written by Yashavant P. Kanetkar