LAB 7

Course Code: CSC 2209

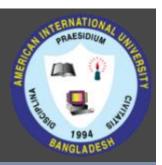




Dept. of Computer Science Faculty of Science and Technology

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	
а	Start typing after the current character	
Α	Start typing at the end of current line	
0	Start typing on a new line after the current line	
0	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
1	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	
хр	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
уу	(yank yank) copy a line
Р	Paste after the current line
р	Paste before the current line

Books

THE PRACTICAL PR

- Unix Shell Programming
 - ☐ Written by Yashavant P. Kanetkar