

LAB SHEET 2

The vi editor is available on almost all Unix systems. vi can be used from any type of terminal because it does not depend on arrow keys and function keys--it uses the standard alphabetic keys for commands.

vi (pronounced "vee-eye") is short for "vi"sual editor. It displays a window into the file being edited that shows 24 lines of text. vi is a text editor, not a "what you see is what you get" word processor. vi lets you add, change, and delete text, but does not provide such formatting capabilities as centering lines or indenting paragraphs.

Edit File in vi editor: Practice following commands

(i) Creating & Editing a file with **vi Editor**.

Sr. No.	Purpose	Command
1	Use editor to create a new file, replacing <filename> with the name of your file	vi <Filename>. vi Lab2
2	Switch to <i>input</i> mode. Default mode when opening the vi editor is <i>command</i> mode vi has two modes: command mode insert mode In command mode, the letters of the keyboard perform editing functions (like moving the cursor, deleting text, etc.). To enter command mode, press the escape <Esc> key. In insert mode, the letters you type form words and sentences. Unlike many word processors, vi starts up in command mod	Key "i" to append
3	Type few words	My First Vi File
4	Exit input mode. Notice that no change at the curser	ESC
5	Practice moving cursor in all four directions	Arrow keys or H,J,K,L
6	Save your work and end the editing session	:w to save. :q to quit terminal. :wq

		to execute both command together
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(ii) Inserting text

Sr. No.	Purpose	Command
1	Edit the already created file	vi <Filename>
2	Add a new line to the bottom of the cursor. Key in your ID number	Locate position, Key " o ". CCA22001. Esc
3	Add a new line to the top of the cursor. Key in your name	Locate position, Key " O ". Steve Jobs. Esc
5	Add a new word to the beginning of a line	Locate position, Key " I ", Esc
6	Add a new word to the end of a line	Locate position, Key " A ", Esc
7	Insert before the cursor	Locate position, Key " a ", Esc
8	Insert after the cursor	Locate position, Key " i ", Esc
9	Save your work and end the editing session	:wq

(iii) Deleting text

Sr. No.	Purpose	Command
1	Edit the already created file	vi <Filename>
2	Delete some characters in a line	Locate position, Key " x "
3	Delete a line	Locate position, Key " dd "
4	Delete a word	Locate position, Key " dw "
5	Delete 2 lines	Locate position, Key " 2dd "
6	Save your work and end the editing session	:wq

Type the followings in Lab3 before proceed to the next exercise.

The recent research activities in the field of nonlinear dynamics and especially on systems with complex (chaotic) behavior have forced a lot of investigations on possible applications of such systems. Among them also the field of chaotic encryption appeared.

While initially the publications on chaotic encryption were discussed also in the community of applied cryptography [1]–[4], this interdisciplinary debate seems to have ceased. Today, chaotic encryption is almost exclusively considered inside the nonlinear systems community.

(i) Searching & Undo

Sr. No.	Purpose	Command
1	Edit the already created file	vi <Filename>
2	Search forward for a pattern . Search	Locate position at the beginning of the text , Key

	for the word encryption	"/ followed by pattern, n for next
3	Search backward for a pattern. Search for the word encryption	Locate position at the end of the text , Key "?" followed by pattern, n for next
4	Delete a line	Locate position, Key "dd"
5	Undo the delete	Key "u"
6	Input a line	Locate position, Key "o" or "O" , Esc
7	Undo the input	Key "u"
8	Save your work and end the editing session	:wq

(ii) Leaving vi

Sr. No.	Purpose	Command
1	Edit the already created file	vi <Filename>
2	Add some words	a or i
3	save	:w, Enter
4	Quit vi	:q, Enter
5	Edit the file again	vi <Filename>
6	Add some lines	O, o , a or i
7	Quit vi with save	:wq, Enter
8	Input a line	Locate position, Key "o" or "O" , Esc
9	Quit vi without save	:q!, Enter

(iii) Try it your self

Sr. No.	Purpose	Command
1	Create a file called 'Myself'	
2	In that file, write down your profile such as 1. Name : 2. Address : 3. How do you see yourself in 4 years :	
3	Save the file and exit vi mode	
4	Display the content of your file	