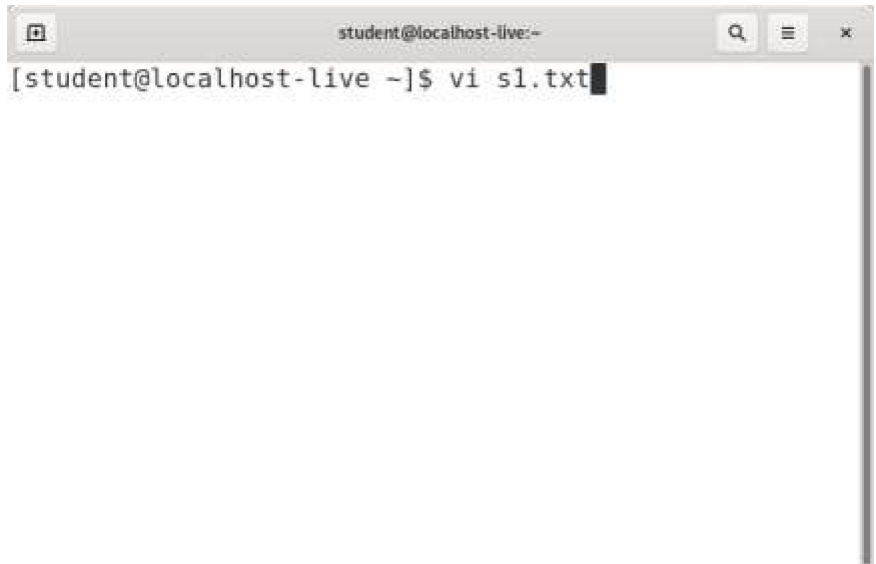
		Finolex Academy of Management and Technology	
		Department of Information Technology	
Subject name: UNIX Lab			
Class	SE IT	Semester – IV (CBCGS)	
Name of Student	Shashank Shailesh Khadilkar		
Roll No	22	Assignment/Experiment No.	
Title: To study VI editor			

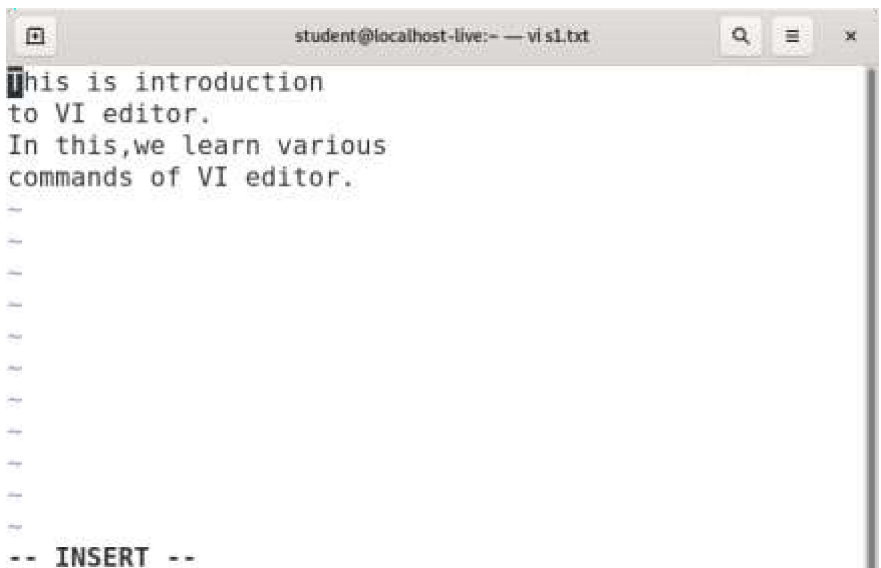
1. Course objectives applicable: LO1 ,LO2 , LO5 ,LO6
2. Course outcomes applicable:PO1 , PEO1
3. Learning Objectives: To learn VI editor
4. Practical applications of the assignment/experiment: To study VI editor
5. Prerequisites: C Programming Language and Operating System
6. Hardware Requirements: PC with minimum 2GB RAM
7. Software Requirements: Fedora installed.
8. Quiz Questions (if any): (Online Exam will be taken separately batch wise) Marks obtained): What is VI editor? What are application of VI editor? What are basic commands of VI editor?
9. Experiment/Assignment Evaluation:

<u>Creating file in VI editor</u>	
vi filename.extension	Create file
<u>Saving & Quitting file</u>	
:wq	Save file and quit
:q!	Unsave file and quit
<u>Displaying & Hiding numbers</u>	
:set nu	Shows line number
:set nonu	Hide line number
:set list	Shows invisible characters
<u>Insert mode commands</u>	
:u	Undo changes
Shift + ~	Change case of characters
Shift + j	Joins the two lines
<u>Copy & Paste</u>	
yy	Copy(yank)
p	Paste
n yy	Copy n no.of lines
<u>Cursor Motions</u>	
h	Moves cursor to left
j	Moves cursor to down
k	Moves cursor to up
l	Moves cursor to right
w	Cursor goes first letter of word
b	Cursor goes first letter of backword
M	Middle line
Ctrl + b	Page backward
Ctrl + f	Page forward
<u>Deleting commands</u>	
n dd	Delete n lines
dw	Delete current word
dw	Delete to end of the line



A terminal window titled "student@localhost-live:~" with search, menu, and close icons. The command `[student@localhost-live ~]$ vi s1.txt` is entered at the prompt.

2. Press i to edit file.




A terminal window titled "student@localhost-live:~ — vi s1.txt" with search, menu, and close icons. The text `This is introduction to VI editor. In this, we learn various commands of VI editor.` is entered. Below it are several tilde characters (~) representing empty lines. At the bottom, the text `-- INSERT --` is displayed.

3. Display number with line



A terminal window titled "student@localhost-live:~ — vi s1.txt" with search, menu, and close icons. The first three lines of text are displayed with line numbers: `1 This is introduction`, `2 to VI editor.`, and `3 In this we learn various`.

4. Hides number of lines



```
student@localhost-live:~ — vi s1.txt
This is introduction
to VI editor.
In this,we learn various
commands of VI editor.
:
:
:
:
:
:
:
:
:
:
:set nonu
```

5. Join two lines (Shift + j)




The screenshot shows a terminal window with a title bar that reads "student@localhost-live:~ — vi s1.txt". The window contains the following text:

```
This is introduction to VI editor.  
In this,we learn various commands of VI editor.
```

Below the text, there are several empty lines, each preceded by a tilde (~) character, indicating the cursor is at the start of each line in the editor.

6. Copy (*nyy*)



A terminal window titled 'student@localhost-live:~ — vi s1.txt'. The prompt is '\$'. The command 'cat vi1.txt' has been entered, and the output 'This is introduction to VI editor' is displayed on the next line.

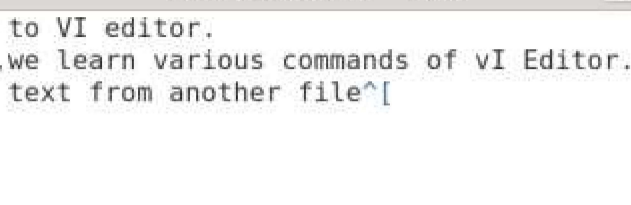
10. Replace specific text



```
student@localhost-live:~ — vi s1.txt
Welcome to VI editor.
In this,we learn various commands of vI Editor.

:%s/This is introduction/Welcome
```

11. Read contents from another file



```
student@localhost-live:~ — vi s1.txt
Welcome to VI editor.
In this,we learn various commands of vI Editor.
This is text from another file^[
^
^
^
^
^
^
^
^
^
^
:r s3.txt
```

12. Save and quit

```
student@localhost-live:~ — vi s1.txt
```

12. Learning Outcomes Achieved:

Students will be able to apply basic UNIX general purpose commands.

13. Conclusion:

Thus we have studied VI editor and its important commands.

14. References :

- [1] Unix, concepts and applications by Sumitabha Das, McGraw-Hill
- [2] Mastering Shell Scripting, Randal. K. Michael, Second Edition, Wiley