



THADOMAL SHAHANI ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY



2a.Study of vi editor : LO2

Aim: 2a.Commonly Used Command Mode Operations in vi Editor

Theory:

The vi editor in Ubuntu and other Unix-based systems has three main modes: 1. Command Mode – The default mode for executing commands. 2. Insert Mode – Used for text editing. 3. Last Line Mode – Used for saving, quitting, and executing special commands. When you open a file in vi, it starts in Command Mode. To perform actions like navigation, deletion, copying, and pasting, you need to be in this mode.

1.Create a new vi editor file or modify the existing file

```
line1 \n line 2 \n line3 \n
lab1003@lab1003-HP-280-G2-MT:~/Pratham_63$ vi Hello1.sh
```

2.ls-l to see all files

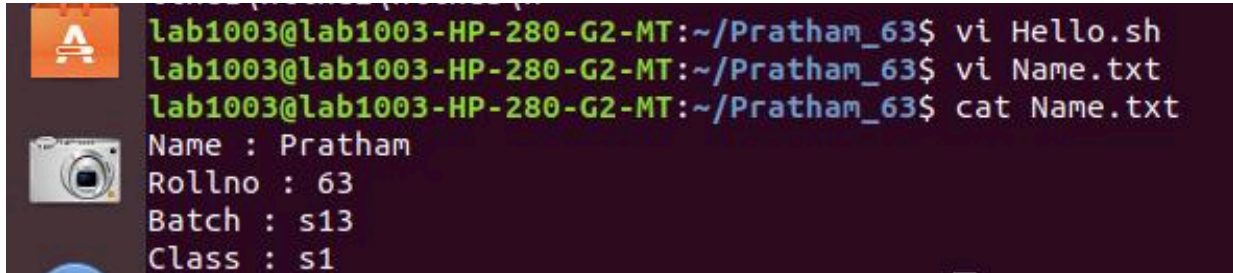
```
line1 \n line 2 \n line3 \n
lab1003@lab1003-HP-280-G2-MT:~/Pratham_63$ ls -l
total 16
-rw-rw-r-- 1 lab1003 lab1003 50 Jan 30 16:06 Hello1.sh
-rw-rw-r-- 1 lab1003 lab1003 33 Jan 30 16:01 Hello.sh
-rw-rw-r-- 1 lab1003 lab1003 51 Jan 30 15:28 Name.txt
-rw-rw-r-- 1 lab1003 lab1003 28 Jan 30 15:39 text2.txt
```

3.The above command creates a new text editing shell and student info has been filled with i(insert) button.

```
line1 \n line 2 \n line3 \n
E45: 'readonly' option is set (add ! to override)
```

4. After completing the insertion press esc and write :wq to save the work.

5. To show the information on the terminal that has been stored in vi editor we use cat command.

A screenshot of a Linux terminal window. The terminal has a dark background with green and white text. On the left side, there is a vertical sidebar with several icons, including an orange square with a white 'A' and a silver camera icon. The terminal text shows the user 'lab1003' at host 'lab1003-HP-280-G2-MT' in the directory '~/Pratham_63'. The user enters the command 'vi Hello.sh', then 'vi Name.txt', and finally 'cat Name.txt'. The output of the 'cat' command is displayed on the following lines: 'Name : Pratham', 'Rollno : 63', 'Batch : s13', and 'Class : s1'.

```
lab1003@lab1003-HP-280-G2-MT:~/Pratham_63$ vi Hello.sh
lab1003@lab1003-HP-280-G2-MT:~/Pratham_63$ vi Name.txt
lab1003@lab1003-HP-280-G2-MT:~/Pratham_63$ cat Name.txt
Name : Pratham
Rollno : 63
Batch : s13
Class : s1
```