

CEGEP VANIER COLLEGE

CENTRE FOR CONTINUING EDUCATION

Introduction to Linux

420-995-VA

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Lab Review 2

Feb 25, 2015

Lab Review 2: Mastering vi editor, Introduction to File Processing

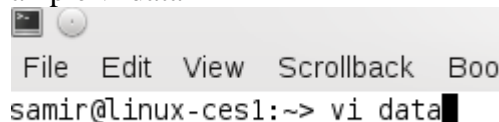
1. Review Lab 1:

- a) Using Linux Open SUSE Command Line, type the following commands:
- cal, more, less, cat, man, who, whatis, pwd, passwd
 - mkdir, cd, ls, rmdir, cp, rm, chmod
 - mv, clear

2. Mastering Text Editor:

Launch Linux Open SUSE command line

- a) Type vi *name of the file* Example vi data



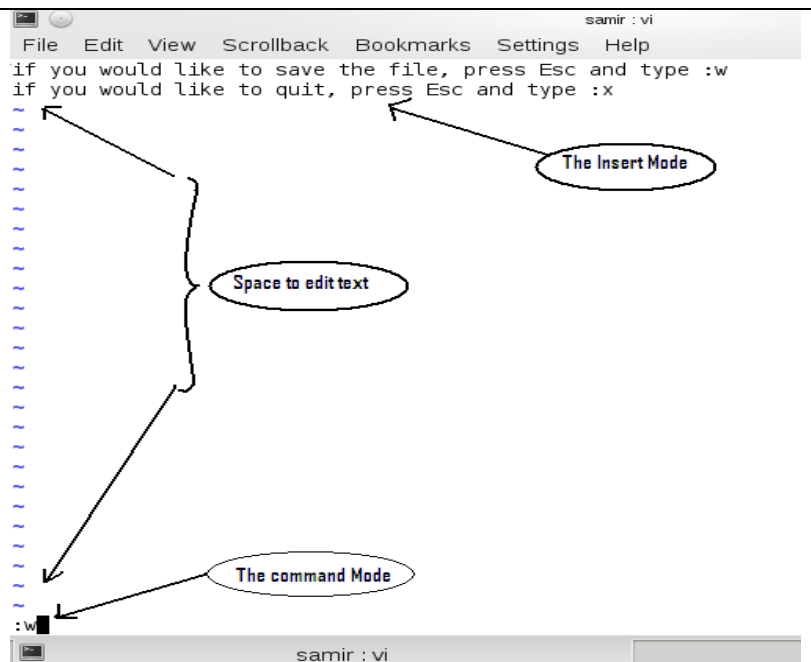
```
File Edit View Scrollback Boo
samir@linux-ces1:~> vi data
```

(vi) is the editor, and *data* is the name of the file to be created or to be read (if *data* file exists). It contains two modes:

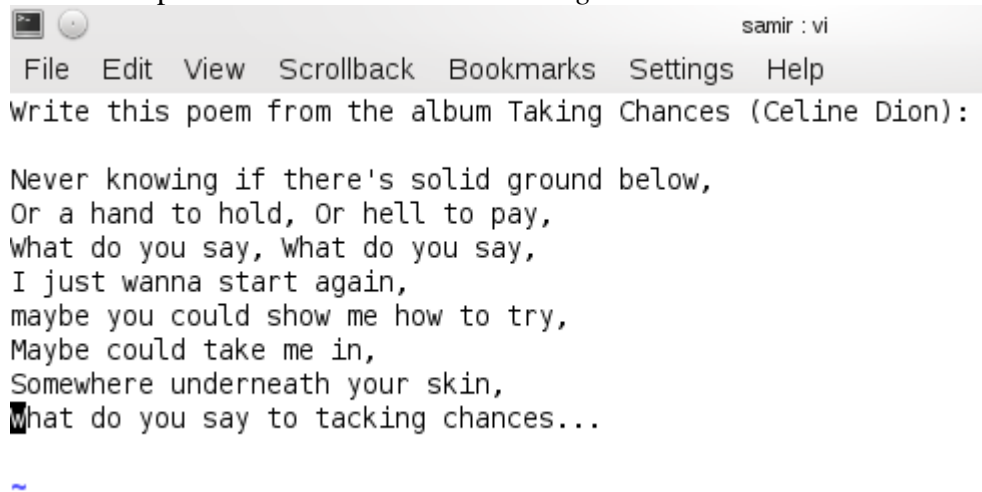
- Command mode: Press the letter (:) followed by an appropriate letter.
- Insert mode: Press the letter (i) to insert text within the file.

Command mode:

- 1) To delete a line, use **dd**
- 2) To delete character at the cursor position, use **x**
- 3) To delete a word, use **dw**
- 4) To undo command (restore what you have deleted), use **u**
- 5) Searching for the pattern, use **:/like**
- 6) Leaving vi temporarily, use **!:cal**
- 7) Copy and past, use yy (copy), dd(cut), p(past).
*3yy: past three line beginning cursor position.
- 8) To Save, use **:w**
- 8) To Exit, use **:x**



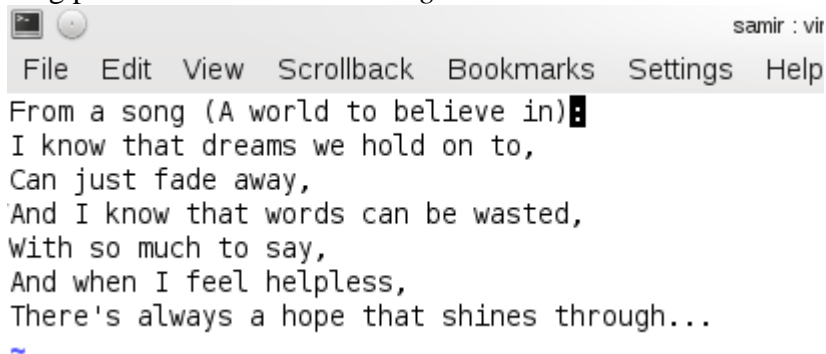
- b) Consider this poem, an excerpt from the album *Tacking Chances*, Celine Dion shown in Figure 1. Write this poem into a file to be named *song1*.



The screenshot shows a terminal window with the title bar "samir : vi". The menu bar includes "File", "Edit", "View", "Scrollback", "Bookmarks", "Settings", and "Help". The text in the terminal reads: "Write this poem from the album Taking Chances (Celine Dion):", followed by the poem: "Never knowing if there's solid ground below, Or a hand to hold, Or hell to pay, What do you say, What do you say, I just wanna start again, maybe you could show me how to try, Maybe could take me in, Somewhere underneath your skin, What do you say to tacking chances...". A tilde symbol "~" is at the bottom left.

Figure 1

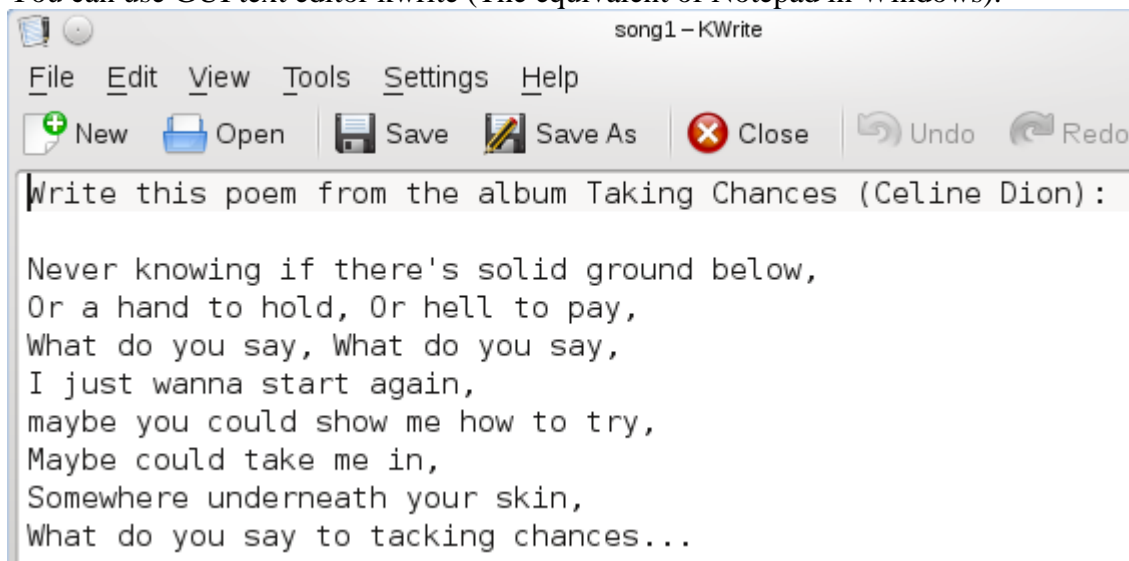
Write the following poem into a file named *song2*.



The screenshot shows a terminal window with the title bar "samir : vir". The menu bar includes "File", "Edit", "View", "Scrollback", "Bookmarks", "Settings", and "Help". The text in the terminal reads: "From a song (A world to believe in):", followed by the poem: "I know that dreams we hold on to, Can just fade away, And I know that words can be wasted, With so much to say, And when I feel helpless, There's always a hope that shines through...". A tilde symbol "~" is at the bottom left.

Copy the content of file (*song2*) into the file (*song1*), use the command **:r song2**

- c) You can use GUI text editor kwrite (The equivalent of Notepad in Windows).



The screenshot shows the KWrite GUI text editor window titled "song1 - KWrite". The menu bar includes "File", "Edit", "View", "Tools", "Settings", and "Help". The toolbar has icons for "New", "Open", "Save", "Save As", "Close", "Undo", and "Redo". The text in the editor reads: "Write this poem from the album Taking Chances (Celine Dion):", followed by the poem: "Never knowing if there's solid ground below, Or a hand to hold, Or hell to pay, What do you say, What do you say, I just wanna start again, maybe you could show me how to try, Maybe could take me in, Somewhere underneath your skin, What do you say to tacking chances...".

- d) Complete the exercises of:

- Hands-On Projects 1-4, 1-9 of page 40, 45 respectively.