

Text Editors

Lab 1: vim navigation

Using an editor like **vim** in **Linux** will become very important; it is rare that you won't be editing files.

- 1. Type vim samplefile This should be a new file; if you already have a file named, use a different name for your file.
- 2. You now have a mostly blank screen with your cursor on the top line. You are initially in command mode.
- 3. Type the 'a' key to append and put you into insert mode.

4. Type the sentence

The quick brown fox jumped over the lazy dog.

If you make a mistake in typing, remember that you can backspace to fix it.

- 5. Type the **ESC** key. Your cursor should be on the period at the end of the sentence. You are back in command mode at this point.
- 6. Type the **a** key again. Type the enter key. You should be on a new line under the one you just typed.

7. Type the sentence

Nobody expects the Spanish Inquisition!

Type an enter key after the ! character.

- 8. At the beginning of the third line, type the sentence This is the third line.
- 9. Now let's just move around in this file. Your cursor should be positioned over the period at the end of the third line you just typed. Type the **h** key three times. Type the **k** key once. Which letter is your cursor over? Which word are you in?
- 10. Type four **h** keys. Type the **j** key. Now which letter is under your cursor? Which word are you in?

Introduction to Linux Page 1 of 3



- 11. Now type two **k** keys followed by three **l** keys. Which letter is your cursor over? In which word?
- 12. Now type eight **w** keys. What do you notice? Which letter is your cursor over? Which word is your cursor over?
- 13. Type a **k** key followed by the **\$** key. Now type two **b** keys. Which letter is your cursor over and in which word?
- 14. Are you getting the feel for moving around character-by-character, line-by-line and word-by-word forward and backward?

Now type the **0** (zero) key followed by two **w** keys and three **I** keys. Which letter is your cursor over and in which word are you?

- 15. Now type three **e** keys. Which letter is your cursor over and in which word?
- 16. Save the file using the :w command. You will use this file in the next exercise. Finally quit **vim** by typing the :q command. You could combine these commands by typing :wq if you want.

.....

Lab 2: vim editing

Being comfortable moving around within a file is important, but actually editing the text in the file is the whole point of using an editor.

- 1. Start with the file you created from the first exercise. Use vim to edit that file. For example, $vim \ samplefile$.
- 2. Search for the word **the**. To do this, type the *I* character and then the characters you are searching for in this case the word **the** (/the) and then the **enter** key. Your cursor should have jumped to the word **the** in the first line between the words **over** and **lazy**.
- 3. Let's search for the next occurrence of **the**. Type the '**n**' key. Your cursor should have jumped to **the** between **expects** and **Spanish** on the second line.
- 4. Let's change this word from **the** to **a**. With your cursor positioned over the **t** in the word **the**, type **cw** to change the word. Did you notice that the word **the** disappeared? You are now in insert mode, so simply type the word **a** at this point. If you wanted to type more characters here, you can. For example, you could have changed the word **the** to **a bright and shiny** if you wanted to. When you are finished with changing the word **the** to the word **a**, type the **ESC** key to exit from insert mode back to command mode.
- 5. Type the **L** (shift+I) key to move to the last line on the screen. For this short file, that also happens to be the last line. Type **dd**. What happened?

Introduction to Linux Page 2 of 3



- 6. Type the **H** (shift+h) key to move to the first line on the screen. Again, for this short file, that also happens to be the first line of the file. Type **"1P** (that's double-quote, 1 and P). What happened?
- 7. Move your cursor to the word **third** using any method you prefer. Remember, you can do this several ways. You can move one character at a time, skip a word at a time, or search for the word. Use the **cw** command to change the word **third** to the word **first**. Remember to type the ESC key when you are finished typing the word **first** in order to exit insert mode.
- 8. Type the **L** key to move down to the last line on the screen. Let's yank this into a named buffer. Let's use the named buffer **c**. So, to yank this whole line into the **c** named buffer, we can type **"cY**. Is the line still there?
- 9. Type the **H** key to move to the top line on the screen. Let's put the contents of the **c** named buffer after our first line. Type **"cp** to put the contents of the **c** named buffer after the current line.
- 10. Let's try that substitute command to change all occurrences of a word to something else. For emphasis, let's change all the words **the** to all caps, as in **THE**. To do this, we type the command :%s/the/THE/g. Do you notice the changes?
- 11. On second thought, those **THE** all in capital letters feel like I'm yelling at you. Let's undo that last change. How? Type the $\bf u$ key! Did you notice that both occurrences of the change were undone by this one command? The $\bf u$ key will undo the last change even if that change affected several places in the file.
- 12. Finally, let's better format this file by running it through the fmt command. Type %! fmt. How's it look?

13.	Exit vim.	You can	either	save your	changes	by writing	the file	and then	quitting	(:wq),
or	quit withou	ut saving	(:q!).							

Introduction to Linux Page 3 of 3