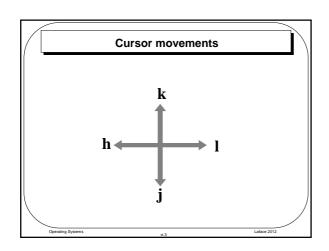


- vi file

Starting vi edit file (create file if it does not exist) - view file edit file but doesn't allow modifications - vi -r file edit file trying to recover what has been changed (and not saved) before the session has been interrupted.



Text insertion

i text insert text at the cursor position
a text append text at the cursor position
o text open a new line before the current line
o text open a new line after the current line
read the content of file after the current
line

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I/O and exit commands

:r file read the content of file after the
 current line
:w [file] save buffer to file
:e file edit file
:wq save the current file and quit
:q quit editing without saving file
:q! quit editing without saving file

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Cursor Movements

- Arrows keys, or keys h j k 1 - **w** next word beginning of line - 0 - \$ end of line a screen forward - CTRL-f a screen backward - CTRL-b first line of file - 1G - G last line of file - nG to line n

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Delete Commands

• Delete:

[n] x delete next n characters
[n] dw delete next n words
[n] dd deletes next n lines

• Problems?

- u undo last change

- U undo all changes to the current line

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Modifying a Text

J merges current and next line
 r char replace the character under the cursor with char

- s text ESC replace the character under the cursor with text

repeats last command

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Cut, Copy and Paste Commands

To copy or move a text, it must be selected and stored in a buffer

[n] yy copies in a buffer n lines[n] dd copies in a buffer and deletesn lines

The buffer content can be inserted before or appended after the cursor line using:

p paste buffer before the cursor linep paste buffer after the cursor line

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Special characters

- CTRL-v special-char
- Insert the ASCII code of a special character such as Ctrl-H, Ctrl-L, Ctrl-M or ESC

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Replace commands

- :s/march/april/
 replaces the first occurrence of march in current line
 with april
- :s/march/april/g replaces all occurrences of march in current line with april
- :n[,m]s?/usr/bin?usr/local/bin? replaces the first occurrence of usr/bin with usr/local/bin in lines n to m inclusive

» notice the use of ? as string delimiter

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Search Commands

/pattern forward search a string matching

pattern

- ?pattern backward search

n search next occurrence

The pattern is a string or a *regular expression*, i.e. a string including characters with a special meaning

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Regular expressions in vi a character beginning of line - \$ end of line repeat (zero or more times) repeat (one or more times) a character included in the bracket list - [...] - [^ ...] a character except the ones included in the bracket list - [x-y] a character in the specified range word beginning - \> word ending

Search Commands • Examples: - /\<[A-Z] forward search a word that begins by a capital letter - /^summer forward search string summer at the beginning of a line - /\> ing forward search string ing at the end of a word - ?##* backward search a sequence of one or more characters