







Text insertion

i text

a text

O text

o text

:r file

insert text at the cursor position

append text at the cursor position

open a new line before the current line

open a new line after the current line

read the content of file after the current line

Operating Systems

vi.4

Laface 2012

I/O and exit commands

:r file

:w [file]

:e file

:wq

:q

:q!

read the content of file after the current line

save buffer to file

edit file

save the current file and quit

quit editing without saving file

quit editing without saving file

Operating Systems

vi.5

Laface 2012

Cursor Movements

– Arrows keys, or keys h j k l

– w

– 0

– \$

– CTRL-f

– CTRL-b

– 1G

– G

– nG

next word

beginning of line

end of line

a screen forward

a screen backward

first line of file

last line of file

to line n

Operating Systems

vi.6

Laface 2012

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

Operating Systems

vi.7

Lafuze 2012

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

Operating Systems

vi.8

Lafuze 2012

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 deletes *n* lines

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

- `P` paste buffer before the cursor line
- `p` paste buffer after the cursor line

Operating Systems

vi.9

Lafuze 2012

Special characters

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

Operating Systems

v1.10

Lafuze 2012

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

Operating Systems

v1.11

Lafuze 2012

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

Operating Systems

v1.12

Lafuze 2012

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

Operating Systems

v1.13

Lafuze 2012

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 `#`

Operating Systems

v1.14

Lafuze 2012