

# Editing with vi

## In and out of vi

<code>vi fileName</code>	edit file at line 1.
<code>vi -r fileName</code>	recover file when system crashed.
<code>:X &lt;return&gt;</code>	quit vi, saving modified file to original file.
<code>:wq &lt;return&gt;</code>	same as above.
<code>:q &lt;return&gt;</code>	quit vi.
<code>:q! &lt;return&gt;</code>	quit vi without saving changes.

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## Moving cursor

j        <return>   <down arrow>	move cursor down one line
k   <up arrow>	move cursor up one line
h   <Backspace>   <rightarrow>	move cursor right one character
l   <Backspace>   <leftarrow>	move cursor left one character
0	move cursor to start of current line
\$	move cursor to end of current line

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## Moving cursor

w	move cursor to the beginning of next word.
b	move cursor to back to the beginning of preceding word.
:n	move cursor to the line number <i>n</i> .
:\$   G	move cursor to the last line

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## Screen Manipulation

<code>^f</code>	move forward by one screen
<code>^b</code>	move backward by one screen
<code>^d</code>	move down by half a screen
<code>^u</code>	move up by half a screen

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## Adding Text

u	Undo current modification.
i	insert text before the cursor, until <Esc> hit.
I	insert text at the beginning of current line, until <Esc> hit.
a	insert text after the cursor, until <Esc> hit.
A	append text at the end of current line, until <Esc> hit.
o	open and put text in a new line below current line, until <Esc> hit.
O	open and put text in a new line above current line, until <Esc> hit.

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## Changing Text

r	replace single character under cursor
R	replace characters with new text starting with one under cursor
cw	change current word under cursor
cNw	change N words beginning with character under cursor until <Esc> hit
C	change the characters under the current line until <Esc> hit
cc	change the entire line, stop when <Esc> hit
Ncc	change the next N lines, stop when <Esc> hit

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## Cutting and Pasting Text

yy	copy the current line into buffer
Nyy	copy next N lines including current line into buffer
p	put the yanked lines from butter into text after the current line
P	put the yanked lines from butter into text before the current line

# Editing with vi

## Searching Text

<code>/string</code>	search forward for the occurrence of the string in text
<code>?string</code>	search backward for the occurrence of the string in text
<code>n</code>	move to next occurrence of the string in text
<code>N</code>	move to previous occurrence of the string in text