vi

- Text editor
- Two modes: **command mode** and **insert mode**
- Command mode: issue command to the editor
- Insert mode: type in your text

Basic

Action	Command and Keystroks
Change to insert mode	`i`, `I`, `a`, `A`, `o`, and `O`
Change to command mode	<ESC>

Edit

Action	Keystrokes
Insert text at beginning of line / at current cursor	`I` / `i`
Append text at the end of line / after current cursor	`A` / `a`
Append line after current cursor	`o`
Insert line before current cursor	`O`
Delete a character	`x`
Backspace	`X`
Delete eol	`D`
Delete a line	`dd`
Delete a word	`dw`
Join line	`J`

Navigation

Action	Command and Keystroks
Go to end of file	`G`
Go to line `n`	`:n`
Forward half page	`Ctrl-d`
Scroll up / downn one line	`Ctrl-e` / `Ctrl-y`
Top / bottom line in screen	`H` / `L`
Down / up a line	`j` / `k`
Forward / Backward a page	`Ctrl-f` / `Ctrl-b`
Forward / Backward a character	`l` / `h`
Forward / Backward a word	`e` / `b`

Copy-n-Paste

Action	Command and Keystroks
Copy	`yy` or `nyy` where n is the number of lines wanted
Paste	`p`

Save and Exit

Action	Command and Keystroks
Quit without saving	`:q!`
Quit with saving	`:wq`
Save	`:w`

N.B. Arrow keys cannot be used in insert mode.

Practise

- Type exactly as shown in the "**Action**" column:
- "<ENTER>" and "<ESC>" refer to the keys on the keyboard
- When there is no "<ENTER>" and "<ESC>" do not press the keys.

At shell, type "`vi /tmp/learn_vi`".

Action	**Task**
`i`	Change to insert mode
`i've never used vi.`<ENTER>	Insert some text and go back to command mode
`This is the firrrst time.`<ESC>	
`k`	Go up one line
`0`	(This is the digit 'zero', not the letter 'O') Going to beginning of line
rI	Replace "`i`" with "`I`"
`j`	Go down one line
`$`	Go to end-of-line
`r!`	Replace "`.`" with "`!`"
`o`	(Small letter 'o') Add one new line
`I'm very exicted!`<ESC>	Add some text and change back to command mode
`yy`	Copy current line
`p`	Paste once
`p`	Paste one more
`o`<ESC>	Insert new line
`72i-`<ESC>	Insert characters '-' 72 times
`?firrrst`<ENTER>	Backward search "`firrrst`"
`dw`	Delete the word
`ifirst` <ESC>	Add a word (note the single space after `ifirst`)
`:%s/exicted/excited/g`<ENTER>	Search "`exicted`" and replace with "`excited`"
`:wq`<ENTER>	Save and quit (back to shell)

Output

At shell, type "`cat /tmp/learn_vi`", and check the difference of yours with this:

```
I've never used vi.
This is the first time!
I'm very excited!
I'm very excited!
I'm very excited!
```