VIM: The Basic Part

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A bit of history

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- Begun by Bram Moolenaar in the late 80s as a port of the Stevie editor (on the 80s Amiga computers)
- Publicly released in 1991, and has been continually updated ever since
- 'Vim' originally stood for 'Vi IMitation'. This was later changed to 'Vi IMproved' when vim's functionality surpassed that of its predicessor

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- Brace yourselves.... if you've never used vim before, what follows will be like a fire-hose. I'm partly intending this to be a reference for you all, so don't worry about absorbing everything right now

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- This is possible using modes. Each key on the keyboard does something different in each mode, meaning you have many possible functions of each key, beyond simply typing that letter into a file

- Normal (sometimes called command) mode:
 - No text in the bottom left corner of your console window
 - Used to get to other modes, for cursor movement, copy/pasting, saving, etc...
 - This is where you begin when you open a vim window
 - To return here from other modes, press the Esc key

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 - From normal mode, press i to get to insert mode
 - You are now able to edit files! Type away to your heart's content!

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- Visual block mode:
 - From normal mode, press Ctrl+v
 - Now select using h, j, k, and 1 in blocks (hence the name)
 - Using Shift+i, you can insert text at the beginning of your selection (see example)

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- A puts you into insert mode at the end of the current line
- o inserts a line below the current line, and puts you into insert mode on that line
- 0 (captial O) is the same as lower-case o, but a line above

- dd will delete an entire line, and yy will copy an entire line (whichever line the cursor is on)
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- dd will delete an entire line, and yy will copy an entire line (whichever line the cursor is on)
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- p will paste whatever is in the buffer currently
 - How do you put something into the paste buffer? With x, dd, or yy! These also function as what you would think of as cut and copy

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- u can be used to undo, and Ctrl+r to redo
- w moves the cursor forward by one word at a time, and b moves it back
- gg moves the cursor to the top of the file
- G moves the cursor to the bottom of the file

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- Type :w from normal mode to save the file (you can do this at any point in the edit process)
- :q will exit vim, without saving. If you have unsaved edits, it will warn you of this and not exit
- :q! exits silently and without saving. Only use this if you really don't want your file changes!
- Lastly, these can be strung together to save and quit, i.e.
 :wq. There is also :x, which does the same thing

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- You can also run shell commands straight from vim (particularly useful for things like make). Type :!<your command> and it will be run in your shell

Now for Jack

