Normal mode: The default mode in Vim where keys perform editor functions like movement rather than inserting text.

```
# Entering vim starts in normal mode
vim file.txt

# Pressing 'h' moves cursor left
# Pressing 'l' moves cursor right
```

Insert mode: Vim mode where keys insert text rather than performing commands. Entered with 'i', 'a', or 'o'.

```
1  # From normal mode
2  vim file.txt
3
4  # Press 'i' to enter insert mode
5  # Type text
6  # Press esc to exit insert mode
```

Visual mode: Vim mode that highlights text for cut/copy/paste. Entered with 'v', 'V', or Ctrl-V

```
# From normal mode
vim file.txt

# Press 'v' enter visual mode
# Move cursor to highlight text
# 'd' cuts text
# 'y' copies text
```

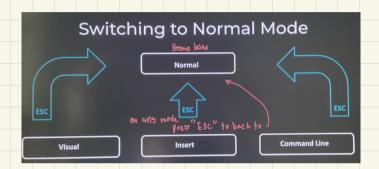
Ex commands: Commands run from Vim's command line rather than editor. Start with colon ':'.

```
1  # From normal mode
2  :q # quit
3  :w # save
4  :%s/old/new # substitute all
```

Configuration: Customizing Vim behavior by setting options in ~/.vimrc file

```
# In ~/.vimrc
set nu # turn on line numbers
set ai # auto indent
syntax on # syntax highlighting
```

VIM - on any Unix or Linux matchin • Text editor not word processor in a binary form • Based on vi → designed before there was any computer mice or vi ← to interact i . Keyboard only -> no movec , to click or move ove on keyboord Customization through settings and plugins



Extended Navigation

- w word
- b word beginning
- e word end
- gg top of file
- G bottom of file

Modes Normal Insert · Visual , executing , search , find , replace Command line

Basic Navigation

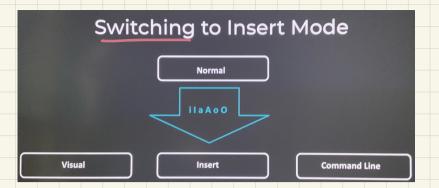
- h move left
- j move down
- k move up
- 1 move right

Yanking, Pasting, Deleting

Tables y - copy highlighted text

- yw copy word
- yy copy line
- p paste
- x delete character
- dd delete line

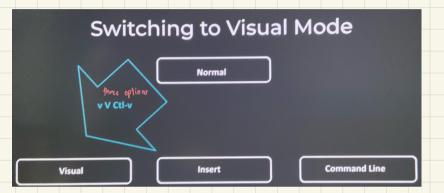
Switching from Normal to Insert and Visual Modes in VIM



Entering Insert Mode

specify the location to insert

- i before cursor
- I before line
- a after cursor
- A end of line
- o new line below
- 0 new line above



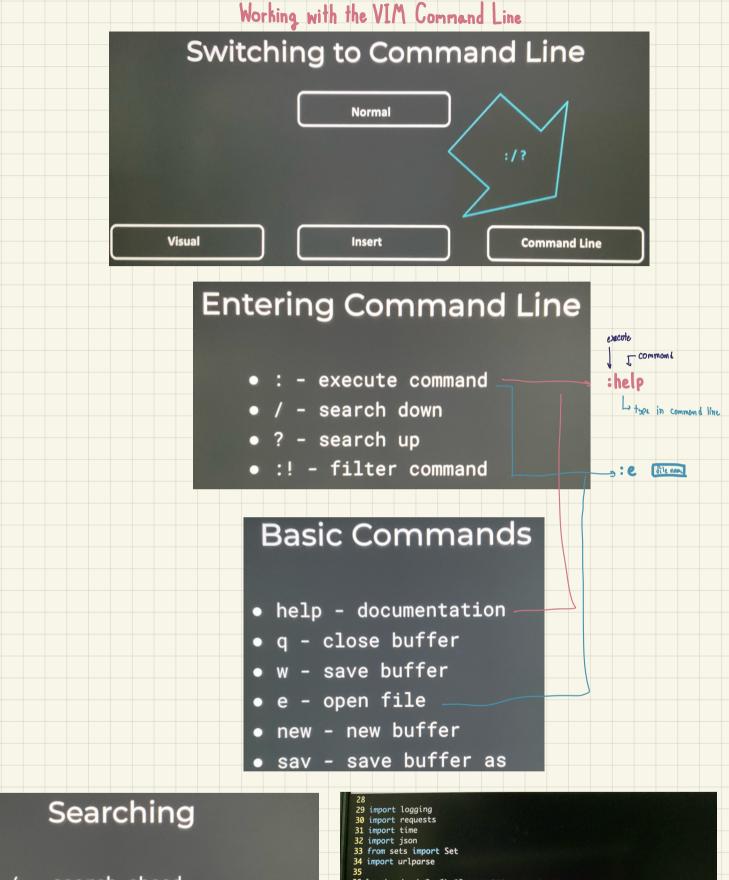
Entering Visual Mode

- v by character
- V by line
- Ctl-v visual block

L) after enter to this mode

L) when you moved, it will highlight the text

Com use Yanking Here



- / search ahead
- ? search back
- n next match
- N previous match (go back)

```
28
29 import logging
30 import requests
31 import time
32 import joon
33 from sets import Set
34 import urlparse
35
36 logging.basicConfig(format='%(asctime)s %(message)s',
37 datefmt='%m/%d/%Y %I:%M:%S %p', level=logging.DEBUG)
38
39 #@TODO: maybe put this stuff in a config file
40 API_ENV = {"dev": "http://rest-dev.sqor.com/",
41 "stage": "https://rest-stage.sqor.com/",
42 "prod": "https://rest-stage.sqor.com/",
43 "local": "http://localwindows:8070/"}
44
45 API_PASSWORD = {"dev": {"email": "devops1@sqor.com",
46 "prod": {"email": "devops1@sqor.com",
47 "prod": {"email": "devops1@sqor.com",
48 "prod": "password": "pyjW6azHYhHR8oL"},
49 "stage": {"email": "devops1@sqor.com",
49 "prod": "email": "devops1@sqor.com",
49 "prod": {"email": "devops1@sqor.com",
40 "password": "pyjW6azHYhHR8oL"},
41 "prod": {"email": "noah@sqor.com",
42 "password": "password": "apiapi"}}
43 "local": {"email": "noah@sqor.com", "password": "apiapi"}}
44 "pass/cat(a) \rightarrow do
45 "pass/cat(a) \rightarrow do
46 "passyord": "apiapi"}
47 "prod": {"email": "noah@sqor.com", "password": "apiapi"}}
48 "pass/cat(a) \rightarrow do
48 "passyord": "apiapi"}
49 "pass/cat(a) \rightarrow do
40 "passyord": "apiapi"}
40 "passyord": "apiapi"}
41 "passyord": "apiapi"}
42 "pass/cat(a) \rightarrow do
40 "passyord": "apiapi"}
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44 "passyord: "apiapi"}
45 "passyord: "apiapi"
```

