

# vim - bash - tmux

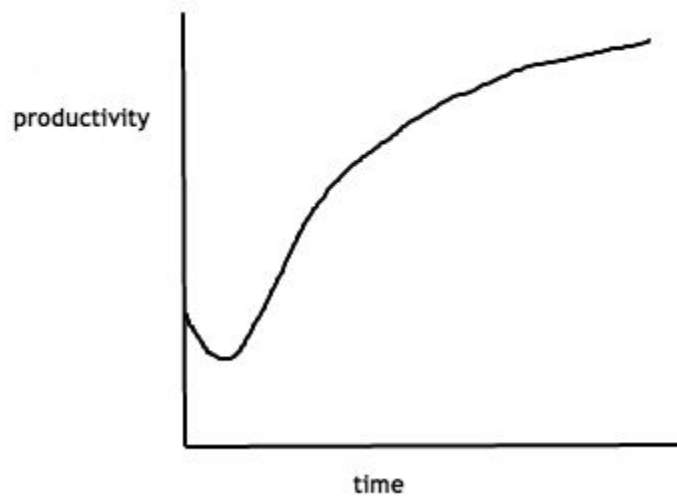
ابزارهای کاربردی برای توسعه نرم افزارهای سیستمی

# Why vim?

- Light
- Key binding

Esc + :q!

Using Vim





# How?

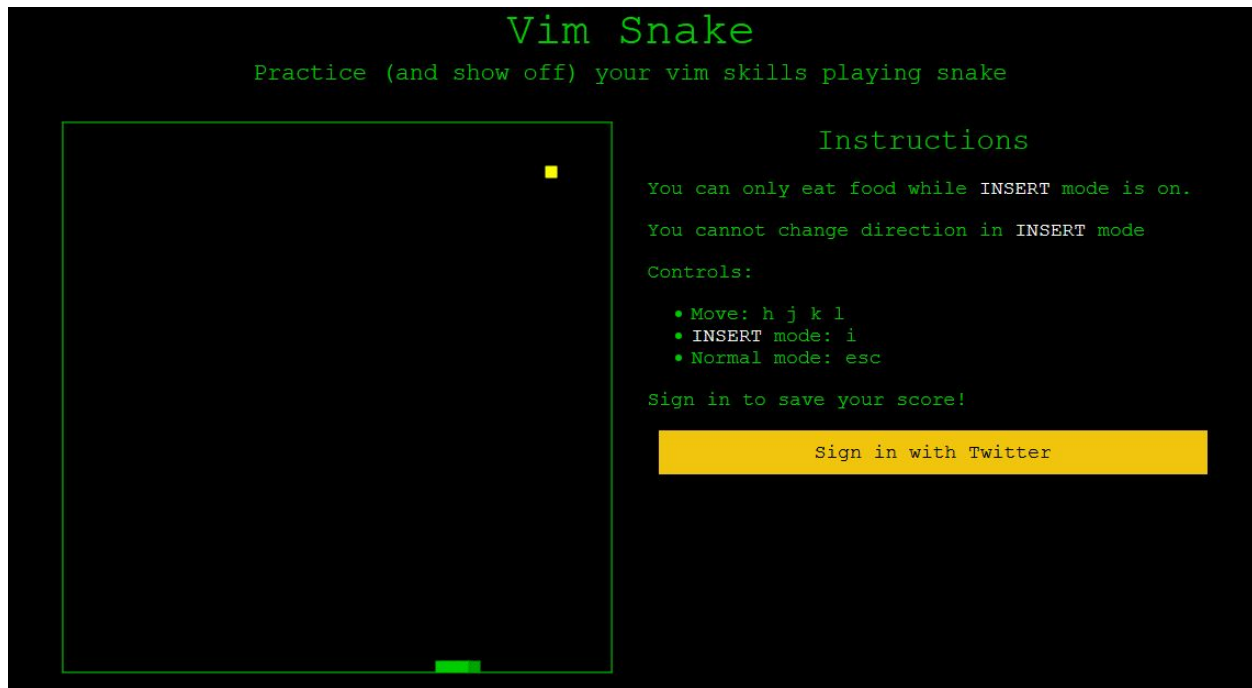
- Navigate (arrow key, end, home, ...)
- Copy/Cut/Paste
- Find/Replace
- Undo/Redo

# Modes

- INSERT -> I
- REPLACE -> Shift + R
- VISUAL -> V
- (VISUAL LINE -> Shift + V)
- (VISUAL BLOCK -> Ctrl + V)
- Esc

h, j, k, l

<https://vimsnake.com/>



# Other navigation keys

- w/e/b
- 0
- \$
- t/T
- f/F
- :
- gg
- G
- ""
- %



# Edit

- d
- c
- y
- p
- registers

# Edit

- ~
- r
- x

# Find replace

- /
- :%s/[find]/[replace]/g

# Undo/Redo

- u
- Ctrl+r

# Repeat

- number
- .

# Magics

- Execute command (sort, ls)
- q
- :%g/[pattern]/[command]
- registers
- config file language

N vs  $\log(N)$

Thanks





# Bash

- Terminal
- Programming language
- `shell/zsh`

# File commands

- ls
- touch
- cat
- head/tail
- mv/cp/rm
- mkdir
- cd
- pwd
- chmod/chown

# System

- `man <command>`
- `kill <pid>`
- `killall <process name>`
- `wget <link>`

# Input/Output

- `cmd1|cmd2`
- `< file`
- `> file`
- `>> file`

# SSH

- `ssh <username>@<host_ip>`
- `scp <source> <username>@<host_ip>:<target>`

# tmux

- Why?
- Sessions
- Windows
- Panes

# Sessions

- `tmux`
- `tmux ls`
- `tmux a -t <session name>`
- `Ctrl + b d`

# Windows

- Ctrl + b c
- Ctrl + b p
- Ctrl + b n



# Panes

- Ctrl + b %
- Ctrl + b "
- Ctrl + b arrow\_keys
- Ctrl + b + Ctrl + arrow\_keys