

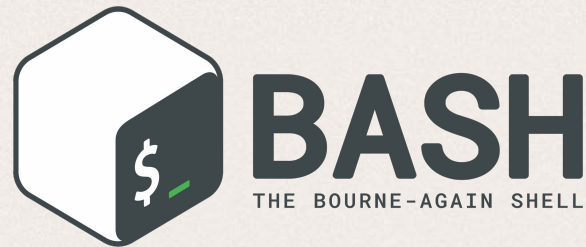
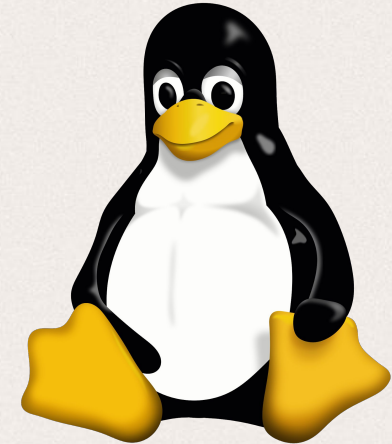
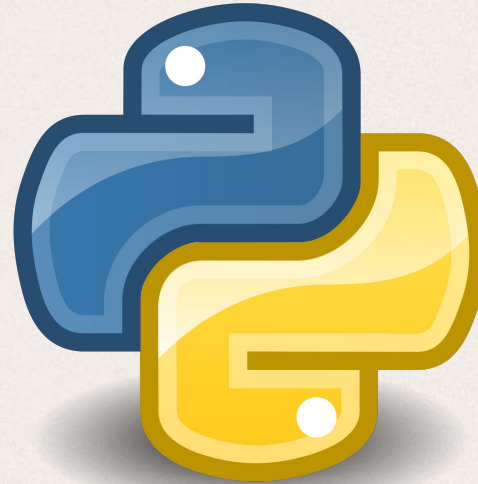
Summer

A Redbrick Guide To Upskilling

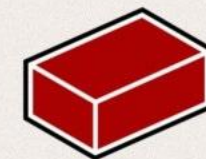
What do you do with Summer?

Stay in touch with

- Python
- Linux
- Stuff we did in Redbrick

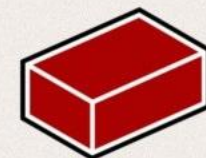
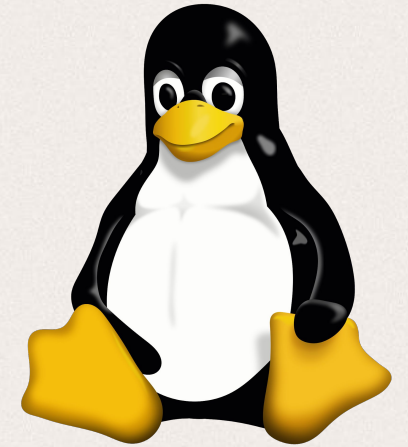


Python



Redbrick
DCU's Networking Society

Linux



Redbrick
DCU's Networking Society

Git



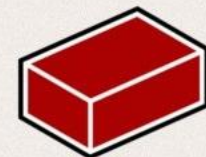
The things we covered

Wanna do more?

- You can learn about stuff you do next year
- You can learn about stuff you'll never do in college

Second year

- Second year is hard.
- First semester you have three new “languages” to learn
- Second semester has three more new languages :(



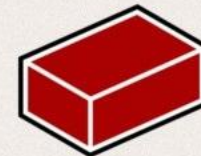
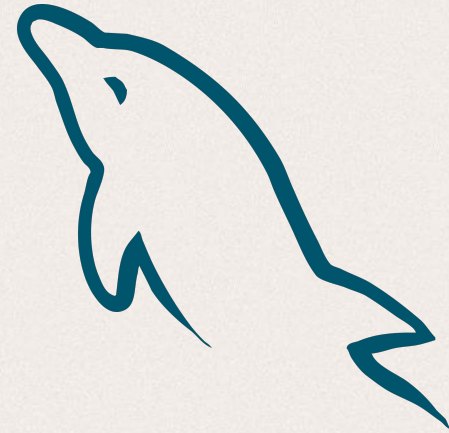
Redbrick
DCU's Networking Society

Starting off second year...

- Prolog
- MySQL
- 32-Bit Assembly



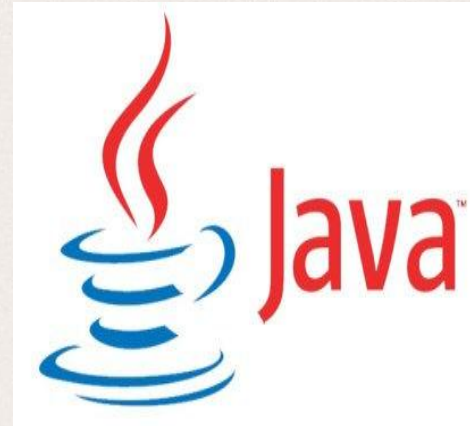
SWI Prolog



Redbrick
DCU's Networking Society

After Christmas..

- Java
- R
- 64-Bit Assembly



Resources for Second Year

Java → Understanding OOP with Java (*Timothy Budd*)

Prolog → The Art of Prolog (*Leon S. Sterling & Ehud Y. Shapiro*)

R → <http://cyclismo.org/tutorial/R/>

Third year

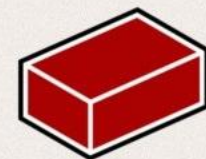
- It's quite diff
- Very conceptual and theory based in first semester
- Project takes the front seat in second semester.

Learning something new

- This section is very open to interpretation.
- It depends what you want to do.

Learning something new

C# Java Go C Swift Shell
Prolog PHP Javascript R
Ruby Haskell
Typescript Assembly Objective-C
MySQL C++ Rust Clojure
Elm Kotlin

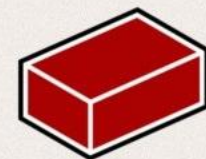
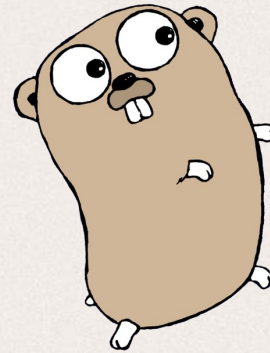


Redbrick
DCU's Networking Society

Scenario 1: I'm afraid to move away from my dear Python!

Scenario 1: I'm afraid to move away from Python!

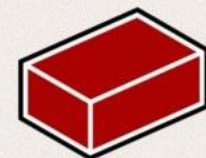
Go



Redbrick
DCU's Networking Society

Scenario 1: I'm afraid to move away from Python!

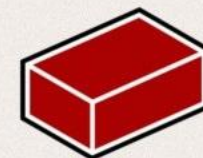
Ruby



Redbrick
DCU's Networking Society

Scenario 2: I'm ready to move away from Python

Scenario 2: I'm ready to move away from Python



Redbrick
DCU's Networking Society

Yes there are other languages...

Haskell



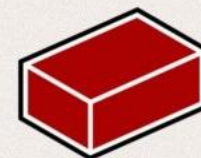
Rust



Swift



Kotlin



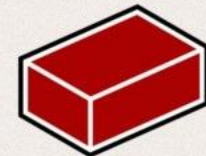
Redbrick
DCU's Networking Society

Scenario 3: I want to build stuff

Scenario 3: I want to build stuff

Click

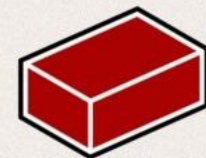
\$ click_ 



Redbrick
DCU's Networking Society

Scenario 3: I want to build stuff

- BeautifulSoup
- Requests
- Selenium
- MechanicalSoup/Mechanize



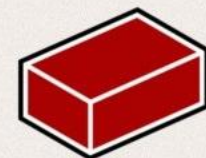
Scenario 3: I want to build stuff

Django



Scenario 3: I want to build stuff

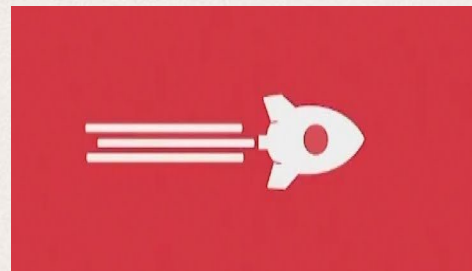
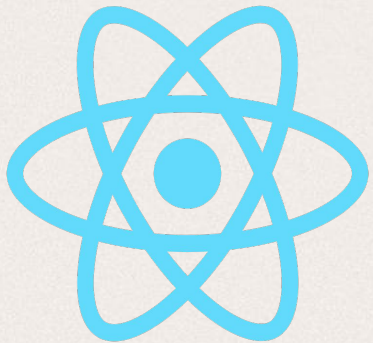
Sanic



Redbrick
DCU's Networking Society

Scenario 3: I want to build stuff

- Of course, there are just too many to name



Scenario 3: I want to build stuff

- <https://github.com/kamranahmedse/developer-roadmap/tree/master>

Projects...

- You do one in Third Year
- Starting your own personal projects is no harm

Project Ideas

- Facebook, Twitter, Reddit Bots
- Write your own interpreter
- Your personal site (possibly a static site)
- Find something that annoys you

Project Ideas

- <https://github.com/tuvtran/project-based-learning>
- <https://github.com/karan/Projects>

Questions?