

Programming Workshop: GitHub, Vim, and Python Basics

Intermediate Workshop #3
26 September 2016

Outline

1. Speed Exercises
2. “Homework” - Completion
3. GitHub - Fork Our Repository
4. Using Vim
5. Python:
 - a. Making a script
 - b. I/O
 - c. Making a Function

Speed Exercises

1:

Make a function that counts to 15 and prints each odd number.

60 seconds

Speed Exercises

2:

Make a function that prints all prime numbers between 1 and 100.

180 seconds

Speed Exercises

3:

Make a script that takes a string from the user and prints how many characters it contains.

120 seconds

“Homework”

1. **Get Linux and Python running!**
2. Make a GitHub account
3. Go through the Codecademy Python lesson

Forking our GitHub Repository

What is a clone?

- **Copy** of repository stored locally

What is a fork?

- **Bifurcation** of repository
- Can be cloned to local machine

Forking our GitHub Repository

Forking our repository:

1. Open our repo in a web browser
2. In the upper right side of the interface, click “fork this repository”
3. In the list of your repositories, select the fork of our repository
4. Clone your fork of our repository to your computer

VIM!

1. Open a terminal
2. Open a file with Vim
3. Follow along and try each step

VIM!

For more practice, head to:

<http://vim-adventures.com/>

“Homework”

1. **Get Linux and Python running!**
2. Make a GitHub account and use it to fork our repository
3. Go through the Codecademy Python lesson
4. Play Vim Adventures or read Vim tutorials