

Introduction to Computer Programming

CFS Poway 2016-17

<https://github.com/cfspoway/python101>

30 classes, 13 homework, 2 team projects

You did it!

What is next?

1 – Continue on Python

- Continue on Python advanced features
 - Graphical user interface (GUI)
 - https://www.tutorialspoint.com/python/python_gui_programming.htm
 - Object Oriented programming
 - https://www.tutorialspoint.com/python/python_classes_objects.htm
 - Libraries: math, plot, data analysis, file operation, networking, web, game...
 - <https://wiki.python.org/moin/UsefulModules>
 - Books
 - Invent Your Own Computer Games with Python <https://inventwithpython.com/chapters/>
 - Thinking Python <http://greenteapress.com/wp/think-python-2e/>
 - Tutorial <https://www.tutorialspoint.com/python/>
 - Online class: www.udemy.com and search python

2 – Learn other languages

- Learn another computer language
 - C++
 - Java
 - C

3 – Operating System

- Windows
 - Visual Studio
- Linux: open source
 - System administration
- Mac

4 – Web Development

- Front end
 - User experience and graphic design
 - Html
 - CSS
 - Javascript
- Backend
 - PHP
 - Node.js
 - Database (SQL)

5 – Mobile Development

- Android
- iOS

College

- College
 - Science and arts
 - Math
 - Physics
 - Chemistry
 - Biology
 - Computer Science
 - Engineering
 - Electrical
 - Mechanical
 - Chemical
 - Biomedical
 - Computer Engineering
 - Medical
 - Law
 - Business

■ Computer Science/Engineering

- Programming (language)
- Operating system
- Algorithm
- Compiler
- Networking
- Database
- User Experience
- Architecture

Thank you!

Questions?