

FullStack - 02

PyCamp 01



01.



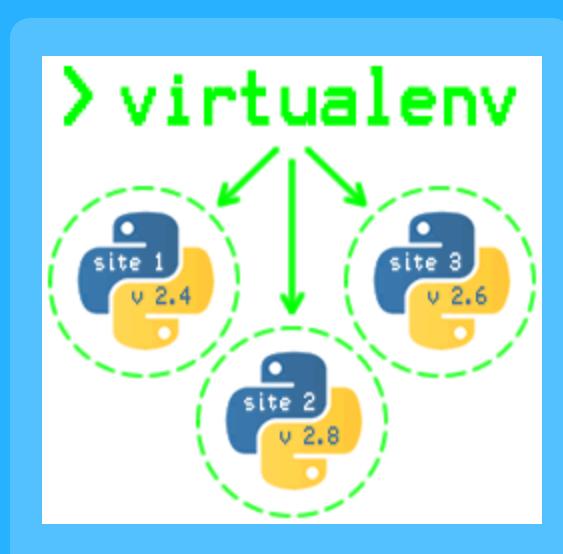
Python Programming 101

- What is Python programming
- Python Intro
- Install & Setup Pycharm
- Pycharm in-depth
- Pycharm PROFESSIONAL
- Python DataStructures
- Jupyter Notebook for python programming

02.

Python VirtualEnvironment

- Create Python virtual environment
- Install packages using pip
- Install multiple versions of Python
- easy_install
- uninstall, upgrade packages



03.



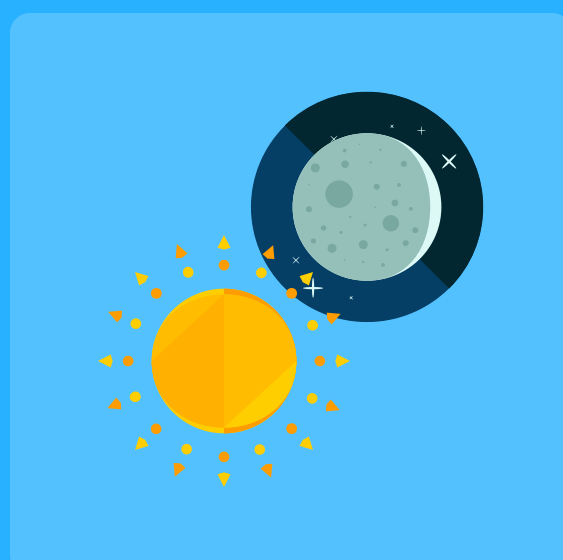
Anaconda - Enterprise DataScience platform

- Install Anaconda
- Install Prospector Static Code Analysis Tool
- Install jupyter-matplotlib

04.

Python Projects

- Where is my bus ?
- Mortgage Calculator
- Files and Text processing



05.



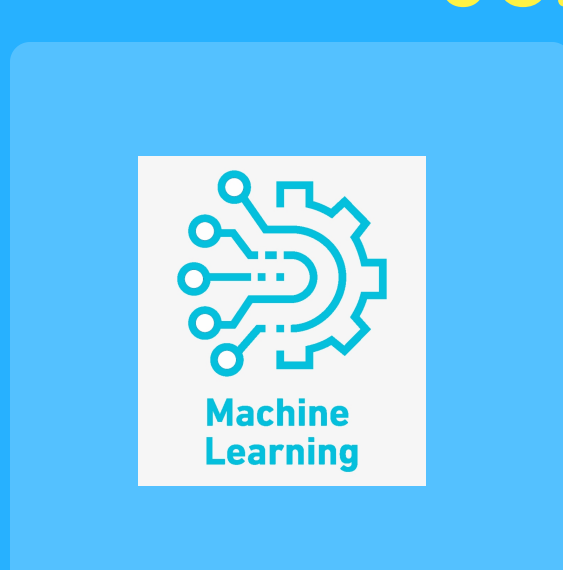
Functions and Error Handling

- Define & using simple Functions
- Create your first Function
- Error Handling
- Handling Bad Data & Exceptions
- Function design considerations

06.

Data Structures

- Basics of Tuples, Lists, Sets & Dicts
- Build a Data Structure from a file
- Data Manipulation
- Example - sorting & Grouping



07.



Library Functions & Import

- Basics
- Writing a General Purpose CSV parsing Module
- Making a package



Python is EASY