



PYTHON SECTION ONE

Introduction to Python | Environment Prep | Pragmatic Agility

GIT

- Version control
- Common in the industry
- Most programs should be developed with version control. Even the simpler ones
- Allows the programmer to quickly undo changes
- Allows the programmer to track changes
- Establishes accountability among programming team members

PYTHON

- Interpreted language
- One of the most popular languages
- Considered easy to learn for beginners
- Fastest growing programming language
- Official teaching language in France
- Huge assortment of libraries to use

PYCHARM

- Community and Professional editions
- Community edition is plenty for this course
- IDE or integrated development environment
- Color codes and identifies problems in the code that might otherwise cause errors during run
- Many IDE's exist for Python. Feel free to use any that you are comfortable with

KEY CONCEPTS

Why Python?

Hugely popular language. Easier to learn when compared to other languages

Why not Python?

When the programmer needs to implement highly efficient algorithms. For example, you need to manually manage memory and garbage collection

Version Control

Version control is a standard across the industry. It is a good idea to learn one as soon as possible. GIT is a hugely popular choice

Integrated Development Environment

IDE's are very useful. Avoid using notepad or command lines for development. In this course we use Pycharm Community Edition. Feel free to use any that you are comfortable with.