15 Days Training on Python

From Basic to Intermediate

What and Why Python?

Python is...

- A general purpose programming language
  - Can be used for many different things
- A high-level programming language
  - Abstracts away from machine code
  - Needs to run through a python interpreter
- An interpreted programming language
- Fun and easy to learn

Python can be used for...

- Web Development
- Desktop GUI
- Software Development
- Web Scraping Applications
- Artificial Intelligence and Machine Learning
- Game Development
- Scientific and Numeric Applications
- Image Processing and Graphic Design Applications
- And so on...

Our Syllabus

- Variables, Data Types, Operators and Conditional statements
- Strings, Lists, Tuples, Sets and Dictionaries
- Loops and iterations, Functions and decorators
- Importing modules and exploring the standard, Installing external modules, Virtual Environment
- Python OOP
- Exceptions handling, File handling, Context managers
- List comprehension, Generators, Lambdas
- Requests, Web scraping with beautifulsoup
- Building CLI
- Building GUI with Tkinter
- Network Programming
- Web App with Django

Installation and Setup

- Python: https://www.python.org
- VS Code: https://code.visualstudio.com

Note: Do not forget to add python to your path.