



PYTHON



Course Curriculum

Basic + Intermediate – 30 Hours



Python Basics

- Introduction to Python
- Get Started – Hello World program
- IDLE for Compiling & Running program
- Basic Data Types and Assignments
- Identifiers and Indentation
- Data Operations
- Sequence Types, Tuples, Lists
- Operators and Expressions
- Dictionary and Sets
- Control Structure
- Functions
- Variable Scope – Global, local and Non Local
- Logging and Debugging
- Modules and Packages
- Python execution environment & tools

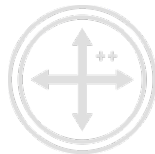
Python Intermediate

- Lambda Functions
- Comprehensions - List, set and dictionary
- Extending Built-in Types
- Custom Collection classes
- Iterators
- Decorators
- Generators
- Streams
- Context Manager
- Functional Tools



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