

Python Course Curriculum

1. An Overview of Python

- What is Python?
- Interpreted languages
- Advantages and disadvantages
- Downloading and installing
- Which version of Python
- Where to find documentation

2. Basics

- Data types
- Operators
- Branching
- Loops
- Data structures(List,tuple,set and Dictionary)
- Sorting & Searching algorithm's
- Functions
 - ✓ Syntax of function definitions
 - ✓ Parameters
 - ✓ Local Vs global variables
 - ✓ Passing and return values
 - ✓ Lambda functions
 - ✓ Map
 - ✓ Filter
 - ✓ Reduce
 - ✓ Generators
 - ✓ Iterators
 - ✓ Decorators
- Python debugger (PDB)
- File handling



3. Object Oriented Programming

- Class
- Methods
- Constructor
- Destructor
- Abstraction
- Static members
- Static methods



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- Inheritance
- Polymorphism
- Operator overloading
- Function overriding
- Exception handling

4. Modules

- Sys
- Os
- Time
- Regular expressions(RE)
- CX_Oracle
- Json
- Threading
- logger
- Tkinter
- Socket
- Numpy
- Pandas
- Matplotlib

KEY FEATURES



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