

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Python

Given below is the brief description for the course you are looking for:

PYTHON 3

- Python's Core Data Types
- Numbers
- Strings
- Sequence Operations
- Mutability vs Immutability
- Type-Specific Methods
- if Statements
 - General Format
 - Basic Examples
 - Multiway Branching
 - Block Delimiters: Indentation Rules
 - Truth Values and Boolean Tests
 - The if/else Ternary Expression
- Loops
 - Loop Coding Techniques
 - Counter Loops: range
 - Sequence Scans: 'while' and 'range' vs 'for'
 - Sequence Shufflers: range and len
 - Nonexhaustive Traversals: range Versus Slices
 - Changing Lists: range Versus Comprehensions
 - Parallel Traversals: zip and map
 - Generating Both Offsets and Items: enumerate

➤ Lists

- Sequence Operations
- Type-Specific Operations
- Bounds Checking
- Nesting
- Comprehensions
- List Iteration and Comprehensions
- Indexing, Slicing, and Matrixes
- Changing Lists in Place

➤ Dictionaries

- Mapping Operations
- Nesting Revisited
- Missing Keys: if Tests
- Sorting Keys: for Loops
- Iteration and Optimization
- Mapping Operations
- Nesting Revisited
- Missing Keys: if Tests
- Sorting Keys: for Loops
- Iteration and Optimization

➤ Tuples

- Why Tuples?
- Operations on Tuples
- Slicing

➤ Files

- Binary Bytes Files
- Unicode Text Files
- Comma-separated Values(csv) files
- JSON
- XML files

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- Database Operations using **SQLite**

 - Numeric Type Basics
 - Numeric Literals
 - Built-in Numeric Tools
 - Python Expression Operators
 - Numbers in Action
 - Variables and Basic Expressions
 - Numeric Display Formats
 - Comparisons: Normal and Chained
 - Division: Classic, Floor, and True
 - Integer Precision
 - Complex Numbers
 - Hex, Octal, Binary: Literals and Conversions
 - Other Built-in Numeric Tools

 - Other Numeric Types
 - Decimal Type
 - Fraction Type
 - Sets
 - Booleans

 - Strings
 - Basic Operations
 - Indexing and Slicing
 - String Conversion Tools
 - String Methods
 - Method Call Syntax
 - Methods of Strings
 - String Method Examples: Changing Strings II
 - String Method Examples: Parsing Text
 - Other Common String Methods in Action
 - The Original string Module's Functions

➤ String Formatting Expressions

- Formatting Expression Basics
- Advanced Formatting Expression Syntax
- Advanced Formatting Expression Examples

➤ Functions

- Coding Functions
- def Statement
- Scopes and Nested Functions
- Recursive Functions
- lambda functions
- Generator Functions: yield Versus return
- *args & **kwargs
- Closures
- Decorators

➤ Regular Expressions

➤ Modules and Packages

- Module Creation
- Module Usage
- The import Statement
- The from Statement
- The from * Statement
- Mixed Usage Modes: `__name__` and `__main__`
- Command line arguments
- argparse module

➤ Classes and Objects

➤ Operator Overloading

➤ Static and Class Methods

➤ '@property'

➤ Inheritance

- super built-in function
- Exception Handling
- GUI Programming using Tkinter
- email module
 - email.mime module
- SMTP module
- IMAP module
- HTML and CSS
 - Tags: input, form, type, meta, anchor, label, Headings, em, ul, div etc.

WEB FRAMEWORK: - The Django environment

- pip
- virtualenv
- Starting a project, apps
- Scripts (django-admin.py and manage.py)
- Settings
- Django Template language
- Models
 - Defining model classes and generating database model
 - Retrieving and storing data
 - Relations between tables (foreign keys etc.)
 - The admin interface

➤ Views

- URL mapping
- Handling HTTP
- Generic and Class-based views
- Forms

➤ Templates

- Syntax
- Tags and filters
- Passing data to a template
- Template Inheritance
- Template Context

➤ Debugging your Django code

Project Details (2 Projects)

- Pure Python using tkinter package
- Python Web based project using Django

Trainer Profile:-

- MCA Qualified and 12+ Years' Experience in IT Field.
- **Hands on Experience in Python and Django Framework**

Course Duration	3 Months
Fees	Call at 9015041412 to know

Available Discounts

(Any two discounts are applicable for single student)

- Flat 10% Discount if joining on the same day of demo or enquiry.
- Flat 10% Discount for onetime payment
- Special discount for group joining(minimum 5 students)
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- Flat 1000/- Discount for our old students.