Python Programming (Core / Advance)

Introduction
History
Features
Setting up path
Working with Python
Basic Syntax
Variable and Data Types
Operators

Conditional Statements
If
If- else
Nested if-else

Looping
For
While
Nested loops

Control Statements
Break
Continue
Pass

String Manipulation
Accessing Strings
Basic Operations
String slices
Function and Methods

Lists
Introduction
Accessing list
Operations
Working with lists
Function and Methods

Tuple
Introduction
Accessing tuples
Operations , Working
Functions and Methods

Dictionaries
Introduction
Accessing values in
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Working with dictionaries
Properties
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Functions
Defining a function
Calling a function
Types of functions
Function Arguments
Anonymous functions
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Importing module
Math module
Random module
Packages
Composition

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Printing on screen
Reading data from
keyboard
Opening and closing file
Reading and writing files
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Exception Handling
Exception
Exception Handling
Except clause
Try ? finally clause
User Defined Exceptions

OOPs concept
Class and object
Attributes
Inheritance
Overloading
Overriding , Data hiding

Regular expressions
Match function
Search function
Matching VS Searching
Modifiers
Patterns

Database
Introduction
Connections
Executing queries
Transactions
Handling error

Multithreading
Thread
Starting a thread
Threading module
Synchronizing threads
Multithreaded Priority
Queue

GUI Programming
Introduction
Tkinter programming
Tkinter widgets

NumPy

Pandas

Roles of a Python Developer

A Python developer has the following roles:

- ❑ **Use server-side logic**

- ❑ **Develop software related to asset management**

- ❑ **Write and implement software solutions that integrate different systems**

- ❑ **Identify and suggest various opportunities to improve efficiency and functionality**

- ❑ **Write reusable and testable code**

- ❑ **Support new projects and implement solutions from a Level-3 perspective**

- ❑ **Integrate data storage solutions**

- ❑ **Implement data security and protection**

Scope of a Python developer

- ● **Job portals like Monster and Naukri offer around 1300 to 3000 listing for Python jobs.**

- ● **With Python on your resume, you may end up with one of the following positions in a reputed company:**

  - ❑ **Software Engineer**

  - ❑ **Research Analyst**

  - ❑ **Data Analyst**

  - ❑ **Data Scientist**

  - ❑ **Software Developer**

Future Technologies Counting On Python

- ❑ **Artificial Intelligence**

- ❑ **Big Data**

- ❑ **Networking**

Duration	**: 50 Hours**
Training Mode	**: Online / Classroom**
Daily Hours	**: 1-2 Hour**
Fee	**: INR 12000.00**

NOTE

Duration of training is lump sum 50 hours but it's up to learner, so it doesn't matter how much time you will take to complete the training. If your grasping level is good then it will be completed in 40 hours only. We charged fee for course not for days/hours/months.

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