Python Training

ShrijiOne Infotech
IT / Web Development & Project Training

Python Training Syllabus

Core Python Concepts - 2 week

- Introduction of Python
- OOP Concepts
- Programming Style
- Core python concepts
- 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

Collection - 2 week

- List
- Introduction
- Accessing list
- Operations

- Working with lists
- Function and Methods
- Tuple
- Accessing tuples Operations Working
- Functions and Methods
- Dictionaries
- Accessing values in dictionaries
- Working with dictionaries
- Properties

Functions - 1 Week

- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions

Modules - 1 Week

- Modules
- Importing module
- Math module
- Random module
- Packages

Input-Output - 1 Week

- Printing on screen
- Reading data from a keyboard
- Opening and closing file
- Reading and writing files

Exception Handling - 1 Week

- Handling Exception
- clause
- Try ? finally clause
- User Defined Exceptions

OOPs Concept - 2 Week

- Class
- Object
- Attributes
- Inheritance
- Overloading
- Overriding
- Data Hiding

Regular Expression - 1 Week

- Search function
- Match Function
- Matching VS Searching
- Modifiers

CGI - 1 Week

- Introduction
- Architecture
- CGI environment variable
- GET and POST methods
- Cookies

- File upload

Networking - 1 Week
- Socket
- Socket Module
- Methods
- Client and server
- Internet modules

Multi-Threading - 2 Week
- Thread
- Starting a thread
- Threading module
- Synchronizing threads
- Multithreaded Priority Queue

GUI Programming - 2 Week
- Introduction
- Tkinter programming
- Tkinter widgets
- Designing
- HTML
- CSS
- JavaScript
- Ajax

Database - 1 Week

- Introduction
- Connections
- Executing queries
- Transactions
- Handling error

Web Programming - 1 Week

- Simple Web application.
- Client-Server Architecture.
- Intro of Flask and Bottle.
- Advanced Web Framework Django.
- Connectivity with MySql Connection Steps.
- CRUD Operation Using Tkinter with MVC Pattern

CONTACT US!

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