CODERS ACADEMY

Training | Internships | Projects | Product Development

Core & Advanced Python

Course Contents
Proposed Hours - 25+25

Core Python

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

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 dictionaries
Working with dictionaries
Properties
Functions

Functions
Defining a function
Calling a function
Types of functions
Function Arguments
Anonymous functions
Global and local variables

Modules
Importing module
Math module
Random module
Packages
Composition

Input-Output
Printing on screen
Reading data from keyboard
Opening and closing file
Reading and writing files
Functions

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

Advance Python

Python is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms.

OOPs concept
Class and object
Attributes
Inheritance
Overloading
Overriding
Data hiding

Regular expressions
Match function
Search function
Matching VS Searching
Modifiers
Patterns

CGI
Introduction
Architecture
CGI environment variable
GET and POST methods
Cookies
File upload

Database
Introduction
Connections
Executing queries
Transactions
Handling error

Networking
Socket
Socket Module
Methods
Client and server
Internet modules

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

GUI Programming
Introduction
Tkinter programming
Tkinter widgets

Distance Education Programs

BCOM | BA | BBA | BCA | MBA | MCA | MCOM | MA

We have tied with many UGC recognized university to serve our students who may have discontinued or looking to add wings of education to their career through distance education. We have selected a few universities which are strong in their education system and provide the best platforms to students for their further studies.

Online Study Materials

Online Exams | Online Training

Online Assignments

Relationship Manager

Easy Exam Patterns

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