CODING PRO ACADEMY

PYTHON PROGRAMMING

Learn • Practice • Build • Create

A practical and hands-on Python course designed to build strong programming fundamentals, problem-solving skills, and real-world projects.



DURATION **2 MONTHS**

COURSE CURRICULUM

TOPICS	SUB TOPICS	
Introduction to Python	Introduction to Python	Python Environment Setup
Types and Values	Variables and Constants Complex, Boolean and String Data Types	Integer and Float Data Types
Conditional	If and If-Else Statements	
Loops	For, While and Nested Loops	Break, Continue and Pass Statements
Operators	Python Operators	Operator Precedence and Expressions
Functions	Defining & Calling Functions Lambda & Built-in Functions	Function Arguments & Return Values
Structured Data	Lists Tuples	Strings Dictionaries
String Object	String Methods and Operations	
File I/O	File Reading and Writing	
Algorithms	Algorithm Analysis Time Complexity	Space Complexity
Modules	Creating & Importing Modules	Standard Library & Package Management
Exceptions	Exception Handling	
Project	Jarvis Voice Assistant Game Testing & Enhancement	Hangman Game Development

ONLINE & OFFLINE LEARNING | **CERTIFICATE AVAILABLE** | **LED BY IIT / IIM ALUMNI** | **AI INTERVIEW & RESUME BUILDER**

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