

Python PCEP Training

Course Duration: 16 Hours

Course Code: PCEP

1. Course Overview

Python PCEP (Certified Entry-Level Python Programmer) Training is designed to build a strong foundation in Python programming. This course covers essential concepts such as data types, control structures, functions, and basic problem-solving techniques. It prepares learners to confidently pass the PCEP certification and start their journey in programming and software development.

2. What You'll Learn

- Fundamentals of Python programming
- Variables, data types, and operators
- Control flow (if-else, loops)
- Functions and modular programming
- Basic input/output operations
- Error handling and debugging
- Introduction to Python standard libraries
- Problem-solving using Python

3. Target Audience

- Beginners with no programming experience
- Students (BCA, B.Tech, MCA, etc.)
- Professionals looking to start a career in programming
- Non-technical individuals interested in coding
- Anyone preparing for PCEP certification

4. Pre-Requisites

- Basic computer knowledge
- Understanding of English (for coding syntax)
- No prior programming experience required

5. Course Content

- Module 1: Introduction to Python & Setup
- Module 2: Variables, Data Types & Operators
- Module 3: Control Flow (Conditional Statements & Loops)
- Module 4: Functions & Code Reusability
- Module 5: Data Structures (Lists, Tuples, Dictionaries, Sets)
- Module 6: Input/Output Operations
- Module 7: Error Handling & Debugging
- Module 8: Practice Tests & PCEP Exam Preparation