

# PCAP - Programming Essentials in Python

## Cisco Networking Academy

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### Python Essentials Part 1 (35-40 hours)

- Module 1 - Introduction to Python and computer programming
- Module 2 - Data types, variables, basic input-output operations, basic operators
- Module 3 - Boolean values, conditional execution, loops, lists and list processing, logical and bitwise operations
- Module 4 - Functions, tuples, dictionaries, and data processing
- Mögliche Zertifizierung: PCEP

### Python Essentials Part 2 (35-40 hours)

- Module 5 - Modules, packages, string and list methods, and exceptions
- Module 6 - The object-oriented approach: classes, methods, objects, and the standard objective features; exception handling, and working with files
- Mögliche Zertifizierung: PCAP