



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

55264: Introduction to Programming Using Python

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course will teach participants how to write Python code that logically solves a given problem. They will learn how to write, debug, maintain and document Python code. This course also prepares participants for the certification exam.

Target Audience

This course is intended for:

- New and experienced programmers that want to learn how to write and troubleshoot Python code.

Prerequisites

To attend this course, candidates must have:

- Experience performing command-line operations on Windows, Linux or Mac computers
- Six months of experience writing code in any programming language (Recommended)

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Create operations using data types and operators.
- Create control flow operations.
- Create input and output operations.
- Write and document code to solve a specified problem.
- Troubleshoot Problems and write error handling operations.
- Perform operations using modules and tools.



Microsoft Partner

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Course Topics

Module 1: Perform Operations Using Data Types and Operators

- Assign data types to variables
- Perform data and data type operations
- Perform Arithmetic, Comparison and Logical Operations
- Review

Module 2: Control Flow with Decisions and Loops

- Create and Use Branching Operations
- Create and Use Iteration Operations
- Review

Module 3: Perform Input and Output Operations

- Perform File Input and Output Operations
- Perform Console Input and Output Operations
- Review

Module 4: Document and Structure Code

- Construct and Analyse Code Segments
- Document Code Segments Using Comments and Documentation Strings
- Review

Module 5: Perform Troubleshooting and Error Handling

- Analyse, Detect and Fix Code Segments with Errors
- Analyse and Construct Code Segments That Handle Exceptions
- Review

Module 6: Perform Operations Using Modules and Tools

- Use Built-In Modules to Perform Basic Operations
- Use Built-In Modules to Perform Complex Operations
- Review

LABS INCLUDED

