Introduction to Programming Using Python

Course ID : 55264-A

Overview :

This course is intended for students who want to learn how to write Python code that logically solves a given problem. Candidates will learn how to write, debug, maintain and document Python code

Objectives :

– 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

Audience(s) :

– This course is intended for new and experienced programmers that want to learn how to write and troubleshoot Python code.

Level :

– Beginner

Course Duration :

– 5 days

Delivery Mode :

– Virtual & Classroom Training

Location:

– Tunisia / Bahrain

Lanuage:

– English / French

Exam :

– 98-381

Certification :

– N/A

Course Outline :

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

  Lab : Perform Operations Using Data Types and Operators

Module 2: Control Flow with Decisions and Loops

- Construct and analyze code segments that use branching statements
- Construct and analyze code segments that perform iterations
- Review

  Lab : Control Flow with Decisions and Loops

Module 3: Perform Input and Output Operations

- Create Python code segments that perform file input and output operations
- Create Python code segments that perform console input and output operations
- Review

  Lab : Perform Input and Output Operations

Module 4: Document and Structure Code

- Construct and analyze code segments
- Document code segments using comments and documentation strings
- Review

  Lab : Document and Structure Code

Module 5: Perform Troubleshooting and Error Handling

- Analyze, Detect and Fix code segments that have errors
- Analyze and construct code segments that handle exceptions
- Review

  Lab : Perform Troubleshooting and Error Handling

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

  Lab : Perform Operations Using Modules and Tools