# **Welcome to Python**

# ANI\_103d | On-Demand | Automation and Insights | Express

**Course Duration:** 1.5 hours

This self-paced eLearning course is a light-hearted introduction to Python. Students will work with Python data structures and become familiar with some basic programming concepts. The course will provide a basic familiarity with Python and programming for automation.

#### **Intended Audience**

Those with little or no experience in programming who are interested in using Python for automation.

## **Objectives**

After completing this course, the student will be able to:

- Identify and work with Python data types
- Identify and work with key control statements
- Use functions to create code blocks
- Use functions to automate a process

#### **Course Prerequisites**

No Prerequisites

## Outline

1. Introduction

- 2. Data Types 2.1 Strings 2.2 Numbers and Floating Point Numbers 2.3 Lists and Boolean
- 3. Key Control Statements 3.1 The If Statement 3.2 The Nested If Statement 3.3 If ... Else and ELIF 3.4 For and While Loop 3.5 Try, Except, Finally
- 4. Functions
- 5. Data Workflow and Automation
- 6. Conclusion





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