



# Welcome to Python

ANI\_103d | On-Demand | Automation and Insights | ⚙️

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