

# Beginner Python Curriculum



## Beginner Python Training Topics

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### **Introduction to Python for Data Analytics**

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Setting up Python Environment

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Variables

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Data Types

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Loops

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Conditional Operators

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Libraries

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### **Data Management with Python**

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Intro to Pandas

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Reading/Writing CSV, Excel, TXT Files

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Data Cleaning and Transformation

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## Training Syllabus

### Introduction to Python for Data Analytics

- Overview of Python and its applications in Data Analytics
  - Understanding the role of Python in data science
  - Writing and executing Python scripts
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### Setting up the Python Environment

- Installing Jupyter Notebook
  - Introduction to Integrated Development Environments (IDEs)
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### Variables and Data Types

- Defining and using variables
  - Understanding data types: integers, floats, strings, Booleans
  - Type conversion and type checking
  - String manipulation and formatting
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### Loops

Introduction to loops in Python

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### Conditional Operators

- Understanding comparison and logical operators
  - Writing conditional expressions
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**DATA TELLS A STORY. BE THE STORYTELLER**