Topic: Variables

This section covers the basics of variables in Python.

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Topic: Lists

Learn how to work with lists and manipulate data efficiently.

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Topic: Functions

Explore the concept of functions and how to define and use them.

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Topic: While-loop

Understand the while loop and its applications in Python.

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Topic: Methods

Discover various methods available for different data types.

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Topic: Match-case

Learn about the new match-case statement introduced in Python 3.10.

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Topic: For-loop

Master the for loop and its usage in iterating over sequences.

Topic: For-loop

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Topic: Type-conversion

Explore different methods of type conversion in Python.

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Topic: List Indices

Understand the indexing of elements in Python lists.

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Understand the indexing of elements in Python lists.

Topic: Tuples

Learn about tuples an immutable and ordered data type in Python.

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Learn about tuples an immutable and ordered data type in Python.

Topic: Enumerate

Explore the enumerate function for iterating over sequences.

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Explore the enumerate function for iterating over sequences.

Discover the formatted string literals in Python (f-strings).

Topic: F-Strings

Discover the formatted string literals in Python (f-strings).

Topic: Write Text Files, Read Text Files

Learn how to write and read text files in Python.

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Topic: File Paths

Understand how to work with file paths in Python.

Topic: File Paths

Understand how to work with file paths in Python.

Topic: List Comprehensions

Master the concise way of creating lists using list comprehensions.

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Topic: Comments

Learn the importance of adding comments in your Python code.

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Topic: With-Context Manager

Understand the with statement and context managers in Python.

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Understand the with statement and context managers in Python.

Topic: If, Elif, and Else Conditionals

Explore conditional statements in Python: if elif and else.

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Topic: Slicing

Learn the powerful slicing technique for sequences in Python.

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Topic: Dictionaries

Discover the dictionary data type and its key-value pairs in Python.

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Topic: Try-Except and Exceptions

Understand error handling using try-except blocks in Python.

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Understand error handling using try-except blocks in Python.

Topic: Continue Statement

Explore the continue statement in Python loops.

Topic: Continue Statement

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Topic: Custom Functions

Learn how to create custom functions with multiple statements.

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Topic: Function Arguments

Understand different types of function arguments in Python.

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Topic: Multiple Arguments

Explore functions with multiple arguments in Python.

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Explore functions with multiple arguments in Python.

Topic: Decoupling Output

Learn the concept of decoupling output from functions in Python.

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Learn the concept of decoupling output from functions in Python.

Topic: Default Arguments

Understand the use of default arguments in Python functions.

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Understand the use of default arguments in Python functions.

Topic: Doc Strings

Explore documentation strings (docstrings) in Python.

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Topic: Decoupling Functions

Learn how to decouple functions for better code organization.

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Topic: Local Modules and Import

Understand the use of local modules and importing in Python.

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Topic: Standard Modules

Explore the standard modules available in Python.

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Topic: Git and Github

Learn the basics of version control with Git and GitHub.

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Topic: Third-Party Modules

Understand the use of third-party modules in Python.

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Explore building graphical user interfaces (GUI) in Python.

Topic: GUI

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Topic: Web Development with Streamlit

Learn web development using Streamlit for creating interactive apps.

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Topic: Heroku Deployment

Deploy your Python applications on the Heroku platform.

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Deploy your Python applications on the Heroku platform.

Topic: PDF Generation with PdfKit

Generate PDFs using PdfKit in Python.

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Topic: Data Handling with Pandas

Master data handling and analysis using the Pandas library.

Topic: Data Handling with Pandas

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Topic: Sending Emails

Learn how to send emails using Python.

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