

Working with Dates and Times in Python

Explore datetime module for handling timestamps and scheduling.



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Introduction to datetime

1

Essential Feature

Crucial for various applications.

2

Time-stamped Logs

Record events with precise timing.

3

Scheduling Systems

Manage tasks and events efficiently.

4

Date Comparisons

Analyze temporal relationships between events.



Getting Current Date and Time

1

Import datetime

Access powerful date and time functions.

2

Use `datetime.now()`

Capture current moment precisely.

3

Print Result

Display formatted timestamp for users.



Date Arithmetic with timedelta

1

Import timedelta

Enable date calculations and manipulations.

2

Subtract Days

Calculate past date from current time.

3

Add Days

Determine future dates easily.

Conditional Date Comparisons

Less Than (<)

Check if date is earlier.

Greater Than (>)

Determine if date is later.

Equal To (==)

Verify if dates match exactly.

Not Equal (!=)

Confirm dates are different.

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Conclusion and Applications



Logging

Track events with precise timestamps.



Reporting

Generate time-based analytics and summaries.



Scheduling

Manage events and task deadlines efficiently.

