

Built-in Functions in Python

Python offers a wide range of built-in functions that are essential for performing various operations. Mastering these functions is vital for efficient programming and can significantly speed up the development process. This understanding not only enhances coding efficiency but also empowers developers to leverage Python's full potential.

Functional Programming Tools

1

map()

Applies function to all items.

2

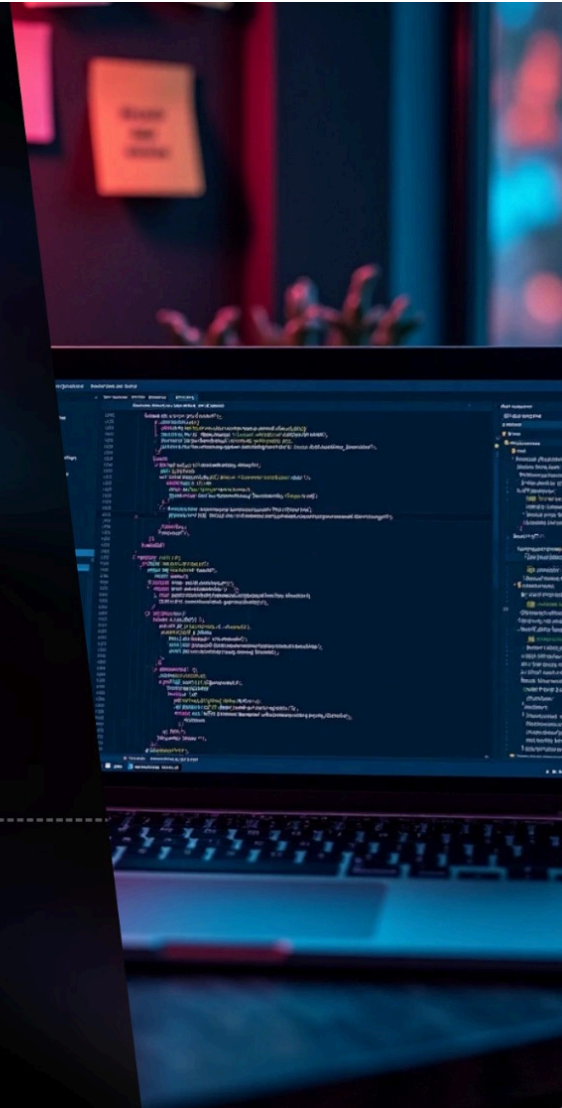
filter()

Filters items based on function.

3

reduce()

Reduces items to a single value.



Conclusion



Efficiency Boost

Built-in functions enhance Python's efficiency.



Programming Essentials

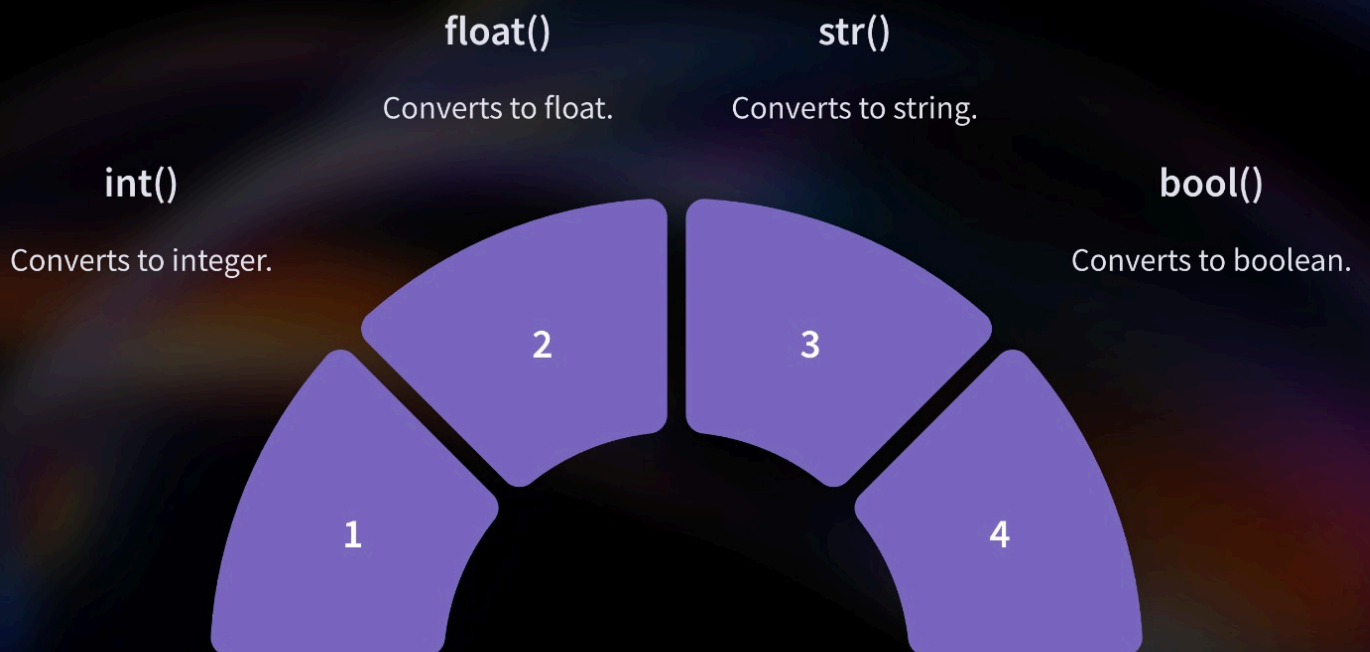
Essential for everyday programming tasks.



Code Clarity

Encourage writing cleaner, readable code.

Type Conversion Functions





Sequence Functions

list()

Converts iterable to list.

tuple()

Converts iterable to tuple.

sorted()

Returns a sorted list.

reversed()

Returns a reversed iterator.



Numeric Functions Overview

1

abs()

Returns absolute value.

2

round()

Rounds a number.

3

sum()

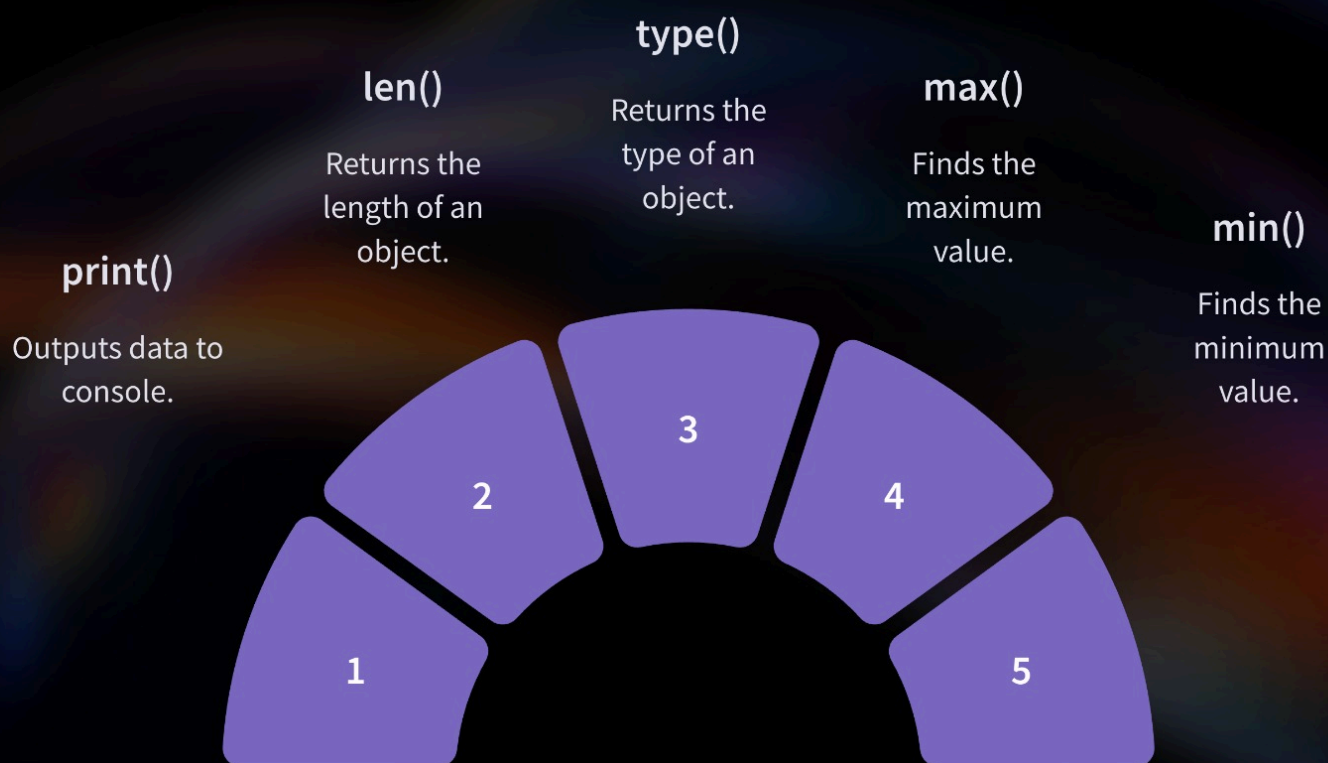
Adds all items in an iterable.

4

pow()

Raises a number to a power.

Common Built-in Functions





What are Built-in Functions?

Pre-defined Functions

These functions are pre-defined and ready to use.

Always Available

They are always available for use in Python programming.

Perform Common Tasks

Help perform common tasks easily and efficiently.