

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

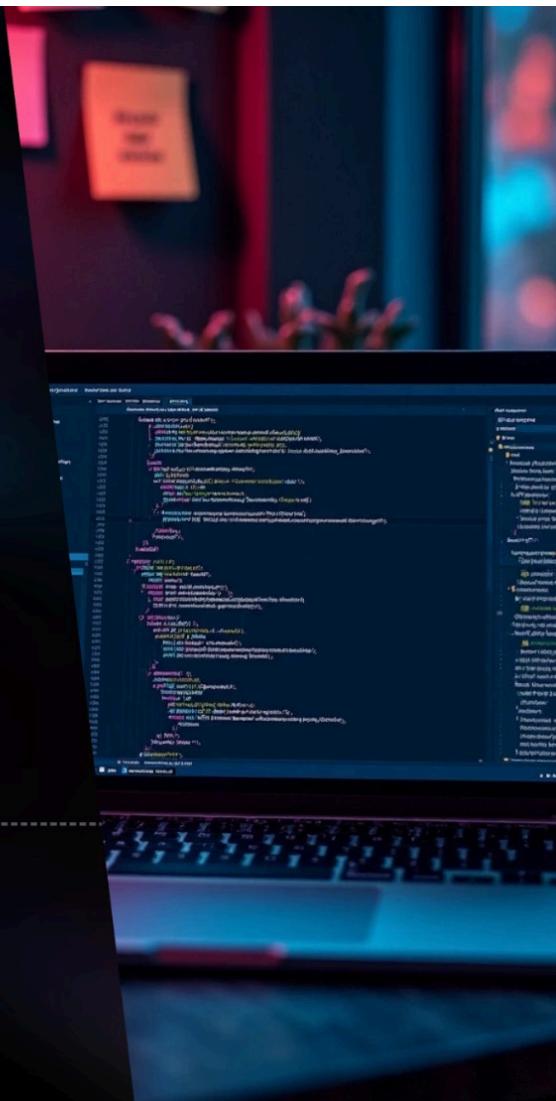
filter()

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

int()

Converts to integer.

float()

Converts to float.

str()

Converts to string.

bool()

Converts to boolean.

1

2

3

4



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.

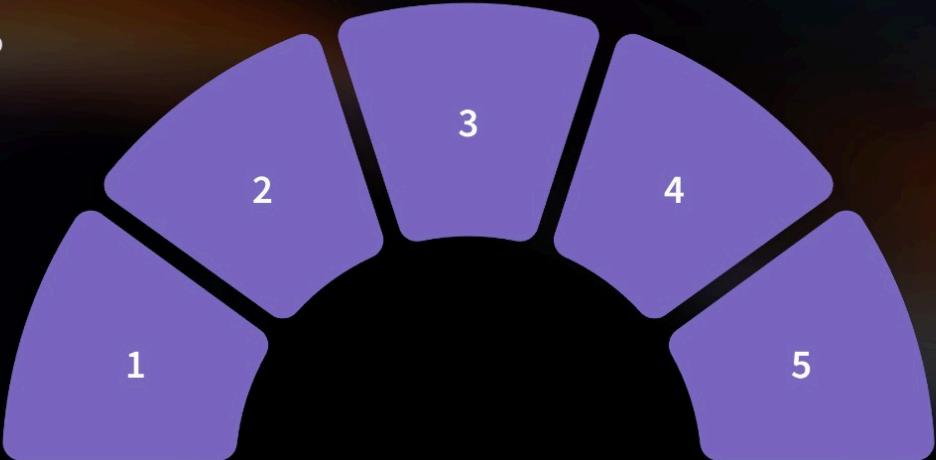
4

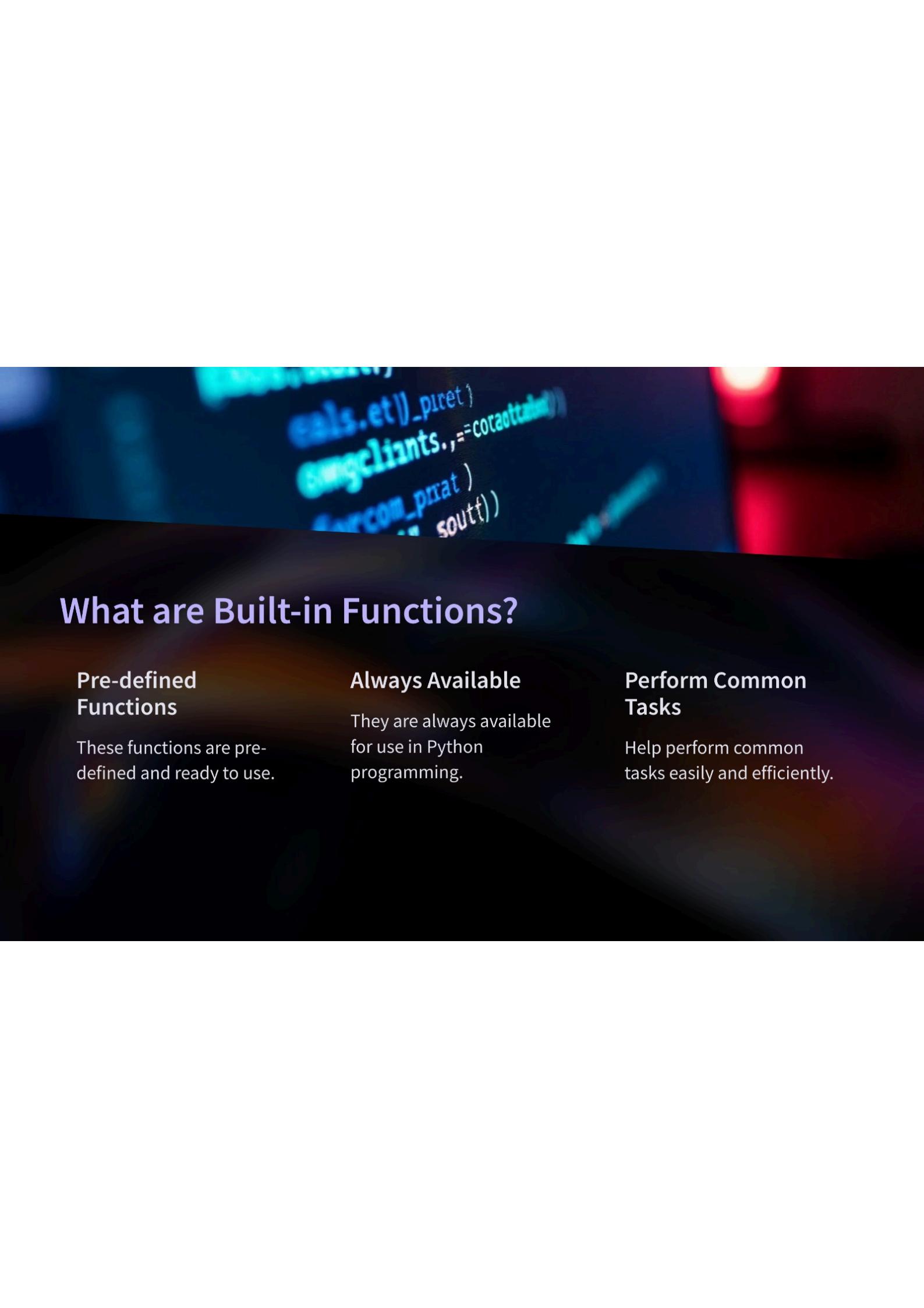
pow()

Raises a number to a power.

Common Built-in Functions

print()	len()	type()	max()	min()
Outputs data to console.	Returns the length of an object.	Returns the type of an object.	Finds the maximum value.	Finds the minimum value.





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.