

Recursive and Lambda functions – Lesson overview

Understanding **recursive** and **Lambda functions** unlocks powerful and efficient coding strategies in Python.

In this lesson, we explore **recursive functions**, focusing on their ability to **simplify complex problems**. We'll also learn about sorting algorithms like merge sort, demonstrating recursion's effectiveness. Finally, we look at **Lambda functions** and their role in writing more concise code, as well as how they can be used with Python's built-in functions.

By the end of this lesson, you'll be adept at leveraging the strengths of **recursive** and **Lambda functions** for more **streamlined** and **powerful** Python programming.

Learning objectives

- Understand the fundamentals of recursive functions in Python, including their structure, how they work and best practices for using them.
- Understand and implement recursive sorting algorithms, focusing on the merge sort technique.
- Write Lambda functions in Python, understanding their syntax, usage, and advantages in creating concise, anonymous function expressions for streamlined coding.



Walk-through



Examples



Exercise

