C Essential Training

Widely used for both systems and application development, C is a powerful language at the heart of many more modern languages, like JavaScript and Objective-C. In this course, professor Isac Artzi dissects the anatomy of C, from data types, strings, and variables to simple functions. He'll show how these basic elements fit together in control structures like loops and if-else statements—where the real logic behind your code comes into play. Plus, learn how C organizes information into arrays and how you can manage memory resources with pointers.

C is a great first step for new programmers, and a way to broaden and deepen your knowledge if you've already programmed for a while. Press Play to start learning.

Topics include:

- Reviewing the C language and the C11 standard
- Understanding the development cycle
- Setting values
- Writing statements and expressions
- Adding comments to code for clarity
- Declaring data types
- Manipulating strings
- Declaring variables
- Using operators and expressions
- Working with functions
- Controlling flow with if-else statements and loops
- Initializing arrays
- Working with files
- Including files and executing macros with the C preprocessor
- Understanding best coding practices