



An Introduction to Python and Computer Programming (Lecture Notes in Electrical Engineering)

By Yue Zhang

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This book introduces Python programming language and fundamental concepts in algorithms and computing. Its target audience includes students and engineers with little or no background in programming, who need to master a practical programming language and learn the basic thinking in computer science/programming. The main contents come from lecture notes for engineering students from all disciplines, and has received high ratings. Its materials and ordering have been adjusted repeatedly according to classroom reception. Compared to alternative textbooks in the market, this book introduces the underlying Python implementation of number, string, list, tuple, dict, function, class, instance and module objects in a consistent and easy-to-understand way, making assignment, function definition, function call, mutability and binding environments understandable inside-out. By giving the abstraction of implementation mechanisms, this book builds a solid understanding of the Python programming language.

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Editorial Review

Review

“There are 11 chapters, each of which has a selection of exercises at the end. The problems are well written and generally increase in complexity. ... Tailored to the instructor, it provides a good foundation.” (David Bellin, Computing Reviews, October, 2015)

Review

From the Back Cover

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