

THIRD EDITION



THE Quick Python Book

Naomi Ceder

Foreword by Nicholas Tollervey

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Manning Publications The Quick Python Book

Victor M. Corman



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The Quick Python Book Naomi Ceder,2018-05-03 Summary This third revision of Manning s popular The Quick Python Book offers a clear crisp updated introduction to the elegant Python programming language and its famously easy to read syntax Written for programmers new to Python this latest edition includes new exercises throughout It covers features common to other languages concisely while introducing Python s comprehensive standard functions library and unique features in detail Foreword by Nicholas Tollervey Python Software Foundation Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Initially Guido van Rossum s 1989 holiday project Python has grown into an amazing computer language It s a joy to learn and read and powerful enough to handle everything from low level system resources to advanced applications like deep learning Elegantly simple and complete it also boasts a massive ecosystem of libraries and frameworks Python programmers are in high demand mdash you can t afford not to be fluent About the Book The Quick Python Book Third Edition is a comprehensive guide to the Python language by a Python authority Naomi Ceder With the personal touch of a skilled teacher she beautifully balances details of the language with the insights and advice you need to handle any task Extensive relevant examples and learn by doing exercises help you master each important concept the first time through Whether you re scraping websites or playing around with nested tuples you ll appreciate this book s clarity focus and attention to detail What s Inside Clear coverage of Python 3 Core libraries packages and tools In depth exercises Five new data science related chapters About the Reader Written for readers familiar with programming concepts no Python experience assumed About the Author Naomi Ceder is chair of the Python Software Foundation She has been learning using and teaching Python since 2001 Table of Contents PART 1 STARTING OUT 1 About Python 2 Getting started 3 The Quick Python overview PART 2 THE ESSENTIALS 4 The absolute basics 5 Lists tuples and sets 6 Strings 7 Dictionaries 8 Control flow 9 Functions 10 Modules and scoping rules 11 Python programs 12 Using the filesystem 13 Reading and writing files 14 Exceptions PART 3 ADVANCED LANGUAGE FEATURES 15 Classes and object oriented programming 16 Regular expressions 17 Data types as objects 18 Packages 19 Using Python libraries PART 4 WORKING WITH DATA 20 Basic file wrangling 21 Processing data files 22 Data over the network 23 Saving data 24 Exploring data

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