

Green Tea Press

Free books by Allen B. Downey

Think Python 2e

Think Python 2nd Edition by Allen B. Downey

This is the second edition of *Think Python*, which uses Python 3. If you are using Python 2, you might want to use the first edition, [which is here](#).

You can buy the second edition at [Amazon.com](#)

Download [Think Python 2e](#) in PDF.

Read [Think Python 2e](#) in HTML.

Example programs and solutions to some exercises are in [this GitHub repository](#). Instructions for working with this code are in the preface.

Translations

Here is a [Spanish translation](#) by Jorge Espinoza.

Here is a [Vietnamese translation](#) by Tan H. Nguyen.

Here is a [Marathi translation](#) by Sagar Kale.

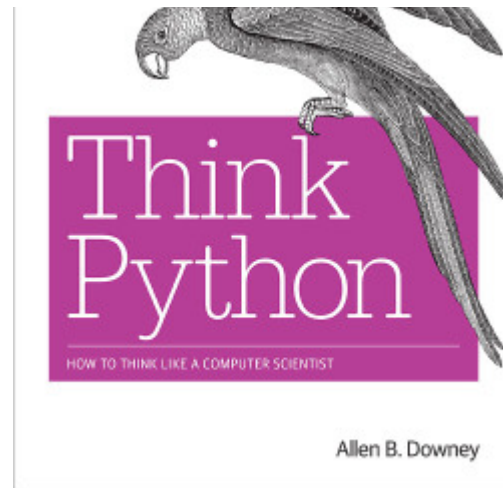
Peter Hall compiled the glossaries into two documents: [glossary by chapter](#) and [glossary in alphabetical order](#).

Description

Think Python is an introduction to Python programming for beginners. It starts with basic concepts of programming; it is care-



fully designed to define all terms when they are first used and to develop each new concept in a logical progression. Larger pieces, like recursion and object-oriented programming, are divided into a sequence of smaller steps and introduced over the course of several chapters.



What's new in the second edition?

- We've upgraded to Python 3: All examples in the book are now Python 3, and the supporting code has been updated to run in both Python 2 and 3.
- We've removed the roadblocks: Based on reader feedback, we know where people had problems, so we've fixed or removed the pain points.
- Python in the browser: For beginners, one of the challenges of getting started is installing Python. For readers who don't want to install Python right away, we provide instructions for running Python in a browser using PythonAnywhere, a free online programming environment.
- More Python goodies: We've added a chapter to cover some powerful Python features that didn't make it into the first edition, including list comprehensions and additional data structures.

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If you have comments, **corrections** or suggestions, please send me email at feedback@thinkpython.com.

Earlier Versions

[The first edition is here.](#)

A previous edition of this book was published by Cambridge University press with the title [Python for Software Design](#). This edition is [available from Amazon.com](#).

The original Python version of the book was published by [Green Tea Press](#) with the title [How to Think Like a Computer Scientist: Learning with Python](#). This edition is available from [Lulu.com](#).

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