



# The Python Workbook: A Brief Introduction with Exercises and Solutions

By Ben Stephenson

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While other textbooks devote their pages to explaining introductory programming concepts, *The Python Workbook* focuses exclusively on exercises, following the philosophy that computer programming is a skill best learned through experience and practice. Designed to support and encourage hands-on learning about programming, this student-friendly work contains 174 exercises, spanning a variety of academic disciplines and everyday situations. Solutions to selected exercises are also provided, supported by brief annotations that explain the technique used to solve the problem, or highlight specific points of Python syntax. No background knowledge is required to solve the exercises, beyond the material covered in a typical introductory Python programming course.

Undergraduate students undergoing their first programming course and wishing to enhance their programming abilities will find the exercises and solutions provided in this book to be ideal for their needs.

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### Editorial Review

#### Review

“The book is suitable for a gentle introductory college level course, or even a solid high school intro to programming course. ... A book like this one might in fact be ideal for someone aiming to learn programming or Python on his own. It can also be a very good supplementary material for an online course ... . The book is a great resource for acquiring the basic coding fluency ... .” (Bojan Tunguz, tunguzreview.com, February, 2015)

“The book provides you with 174 exercises, which can make you an advanced beginner ... in Python. The excersises are well-structured indeed, taking into account anything from the basics of the language (printing, units, conditionals, loops and functions) to some more advanced structures as dictionaries, lists and working with files. ... The excersises are well selected indeed. I liked them and I enjoyed solving (or looking at their solutions) them.” (Vitosh Academy, vitoshacademy.com, February, 2015)

#### From the Back Cover

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#### Features:

- Uses an accessible writing style and easy-to-follow structure
- Includes a mixture of classic exercises from the fields of computer science and mathematics, along with exercises that connect to other academic disciplines
- Presents the solutions to approximately half of the exercises
- Provides annotations alongside the solutions, which explain the approach taken to solve the problem and relevant aspects of Python syntax
- Offers a variety of exercises of different lengths and difficulties
- Contains exercises that help the development of programming skills using if statements, loops, basic functions, lists, dictionaries, files, and recursive functions

Undergraduate students undergoing their first programming course and wishing to enhance their programming abilities will find the exercises and solutions provided in this book to be ideal for their needs.

**Dr. Ben Stephenson** is a Senior Instructor in the Department of Computer Science at the University of

Calgary.

About the Author

**Dr. Ben Stephenson** is a Senior Instructor in the Department of Computer Science at the University of Calgary, AB, Canada.

## **Users Review**

### **From reader reviews:**

#### **John Lien:**

The book *The Python Workbook: A Brief Introduction with Exercises and Solutions* can give more knowledge and information about everything you want. So why must we leave a good thing like a book *The Python Workbook: A Brief Introduction with Exercises and Solutions*? A few of you have a different opinion about e-book. But one aim this book can give many details for us. It is absolutely proper. Right now, try to closer together with your book. Knowledge or information that you take for that, it is possible to give for each other; you are able to share all of these. Book *The Python Workbook: A Brief Introduction with Exercises and Solutions* has simple shape however you know: it has great and big function for you. You can seem the enormous world by open and read a guide. So it is very wonderful.

#### **Fernando Minaya:**

This book entitled *The Python Workbook: A Brief Introduction with Exercises and Solutions* to be one of several books in which best seller in this year, honestly, that is because when you read this reserve you can get a lot of benefit upon it. You will easily to buy this book in the book retail outlet or you can order it through online. The publisher with this book sells the e-book too. It makes you quicker to read this book, as you can read this book in your Cell phone. So there is no reason for your requirements to past this e-book from your list.

#### **Travis Pope:**

Reading can called mind hangout, why? Because while you are reading a book especially book entitled *The Python Workbook: A Brief Introduction with Exercises and Solutions* your brain will drift away trough every dimension, wandering in each aspect that maybe unidentified for but surely can become your mind friends. Imaging every word written in a book then become one application form conclusion and explanation that maybe you never get just before. The *The Python Workbook: A Brief Introduction with Exercises and Solutions* giving you another experience more than blown away your head but also giving you useful details for your better life within this era. So now let us demonstrate the relaxing pattern the following is your body and mind will be pleased when you are finished examining it, like winning a casino game. Do you want to try this extraordinary spending spare time activity?

**Kenneth Matson:**

Can you one of the book lovers? If so, do you ever feeling doubt when you find yourself in the book store? Try and pick one book that you just dont know the inside because don't ascertain book by its protect may doesn't work at this point is difficult job because you are frightened that the inside maybe not while fantastic as in the outside appearance likes. Maybe you answer might be The Python Workbook: A Brief Introduction with Exercises and Solutions why because the excellent cover that make you consider about the content will not disappoint an individual. The inside or content will be fantastic as the outside or perhaps cover. Your reading sixth sense will directly guide you to pick up this book.

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