



Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing)

By John S. Conery

Download now

Read Online ➔

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery

An Active Learning Approach to Teaching the Main Ideas in Computing

Explorations in Computing: An Introduction to Computer Science and Python Programming teaches computer science students how to use programming skills to explore fundamental concepts and computational approaches to solving problems. Tbook gives beginning students an introduction to computer science concepts and computer programming. Designed for CS0 and CS1 courses, it is very well suited for alternative lecture styles, including flipped classrooms.

Prepares Students for Advanced Work in Computer Science

A revised and updated version of the author's *Explorations in Computing: An Introduction to Computer Science*, this text incorporates two major differences. It now uses Python, instead of Ruby, as the lab software so that students can seamlessly transition from introductory projects to more advanced studies in later courses. The book also introduces Python programming, providing students with sufficient programming skills so they can implement their own programs.

Practical, Step-by-Step Projects

The interactive lab projects in each chapter allow students to examine important ideas in computer science, particularly how algorithms offer computational solutions to problems. Students can type expressions, view results, and run experiments that help them understand the concepts in a hands-on way.

Web Resources

The Python software modules for each lab project are available on the author's website. The modules include data files and sample Python code that students can copy and modify. In addition, the site provides a lab manual of installation instructions and tips for editing programs and running commands in a terminal emulator.

 [**Download** Explorations in Computing: An Introduction to Comp ...pdf](#)

 [**Read Online** Explorations in Computing: An Introduction to Co ...pdf](#)

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing)

By John S. Conery

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery

An Active Learning Approach to Teaching the Main Ideas in Computing

Explorations in Computing: An Introduction to Computer Science and Python Programming teaches computer science students how to use programming skills to explore fundamental concepts and computational approaches to solving problems. Tbook gives beginning students an introduction to computer science concepts and computer programming. Designed for CS0 and CS1 courses, it is very well suited for alternative lecture styles, including flipped classrooms.

Prepares Students for Advanced Work in Computer Science

A revised and updated version of the author's *Explorations in Computing: An Introduction to Computer Science*, this text incorporates two major differences. It now uses Python, instead of Ruby, as the lab software so that students can seamlessly transition from introductory projects to more advanced studies in later courses. The book also introduces Python programming, providing students with sufficient programming skills so they can implement their own programs.

Practical, Step-by-Step Projects

The interactive lab projects in each chapter allow students to examine important ideas in computer science, particularly how algorithms offer computational solutions to problems. Students can type expressions, view results, and run experiments that help them understand the concepts in a hands-on way.

Web Resources

The Python software modules for each lab project are available on the author's website. The modules include data files and sample Python code that students can copy and modify. In addition, the site provides a lab manual of installation instructions and tips for editing programs and running commands in a terminal emulator.

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery **Bibliography**

- Sales Rank: #1175133 in Books
- Published on: 2014-09-24
- Original language: English
- Number of items: 1
- Dimensions: 1.20" h x 7.00" w x 10.00" l, 2.40 pounds
- Binding: Hardcover
- 439 pages

 **[Download](#)** [Explorations in Computing: An Introduction to Comp ...pdf](#)

 **[Read Online](#)** [Explorations in Computing: An Introduction to Co ...pdf](#)

Editorial Review

About the Author

John S. Conery is a professor in the Department of Biology and the Institute of Ecology and Evolution at the University of Oregon, where he teaches computer science courses and is developing introductory programming courses for biology majors. As a professor of computer and information science, he taught introductory computer science courses as well as courses on high performance computing and computational science. His research in bioinformatics and computational biology spans a number of areas related to gene and genome duplication, artificial neural networks, population modeling, and systems biology. He received a Ph.D. in computer science.

Users Review

From reader reviews:

Harold Cole:

The book Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) gives you the sense of being enjoy for your spare time. You can use to make your capable considerably more increase. Book can to be your best friend when you getting pressure or having big problem with the subject. If you can make reading through a book Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) for being your habit, you can get a lot more advantages, like add your own personal capable, increase your knowledge about several or all subjects. You are able to know everything if you like wide open and read a guide Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing). Kinds of book are several. It means that, science reserve or encyclopedia or some others. So , how do you think about this guide?

Todd Goff:

The book Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing)? A few of you have a different opinion about book. But one aim which book can give many facts for us. It is absolutely proper. Right now, try to closer with your book. Knowledge or details that you take for that, it is possible to give for each other; you can share all of these. Book Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) has simple shape but you know: it has great and large function for you. You can appear the enormous world by start and read a reserve. So it is very wonderful.

Ross Adams:

As people who live in the modest era should be upgrade about what going on or details even knowledge to make all of them keep up with the era that is certainly always change and move ahead. Some of you maybe can update themselves by studying books. It is a good choice to suit your needs but the problems coming to you actually is you don't know which one you should start with. This Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) is our recommendation to make you keep up with the world. Why, as this book serves what you want and want in this era.

Jonathan Thurman:

This Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) is completely new way for you who has attention to look for some information since it relief your hunger details. Getting deeper you in it getting knowledge more you know otherwise you who still having little digest in reading this Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) can be the light food for yourself because the information inside this book is easy to get through anyone. These books build itself in the form which is reachable by anyone, yep I mean in the e-book type. People who think that in book form make them feel tired even dizzy this e-book is the answer. So there is not any in reading a reserve especially this one. You can find actually looking for. It should be here for anyone. So , don't miss this! Just read this e-book sort for your better life in addition to knowledge.

Download and Read Online Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery #8TOX07G541C

Read Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery for online ebook

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery books to read online.

Online Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery ebook PDF download

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery Doc

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery Mobipocket

Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery EPub

8TOX07G541C: Explorations in Computing: An Introduction to Computer Science and Python Programming (Chapman & Hall/CRC Textbooks in Computing) By John S. Conery