

Core Python Programming By Dr R Nageswara Rao

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Head First Python - Paul Barry 2016-11-21
Want to learn the Python language without slogging your way through how-to manuals? With Head First Python, you'll quickly grasp Python's fundamentals, working with the built-in data structures and functions. Then you'll move on to building your very own webapp, exploring database management, exception handling, and data wrangling. If you're intrigued by what you can do with context managers, decorators, comprehensions, and generators, it's all here. This second edition is a complete learning experience that will help you become a bonafide Python programmer in no time. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Python uses a visually rich format to engage your mind, rather than a text-heavy approach that puts you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

Data Structures Using Python - Shriram K. Vasudevan 2020-04-15

Data Structures using Python provides an introduction to design, analysis, and implementation of data structures using the powerful programming language, Python. This book is designed for a first course on the subject. It is written for the undergraduate engineering students of Computer Science, Information Technology, and allied disciplines.
Programming in Python - Pooja Sharma 2020-04-09

An interactive way to introduce the world of Python Programming
KEY FEATURES Detailed comparisons and differentiation of python language from other most popular languages C/C++/Java. Authentic and extensive set of programming illustrations in every chapter of the book. Broad study on all the programming constructs of the python programming language such as native data types, looping, decision making, exception handling, file handling etc. Broad study of Python Object Oriented Programming features with illustrations. Numerous review questions and exercises at the end of every chapter. DESCRIPTION This Book is meant for wide range of readers who wish to learn the basics of Python programming language. It can be helpful for students, programmers, researchers, and software developers. The basic concepts of python programming are dealt in detail. The various

concepts of python language such as object-oriented features, operators, native data types, control structures, functions, exception handling, file handling, etc are discussed in detail with the authentic programming illustration of each. presently, python programming is a hot topic among academicians' researchers, and program developers. As a result, the book is designed to give an in-depth knowledge of programming in python. This book can be used as handbook as well as a guide for students of all computer science stream at any grade beginning from 10+1 to Research in PhD. To conclude, we hope that the readers will find this book a helpful guide and valuable source of information about python programming. WHAT WILL YOU LEARN Python Data Types, Input Output Operators and Expressions Control Structures Python Functions, Modules Exception Handling File Management, Classes and Objects Inheritance, Python Operator Overloading WHO THIS BOOK IS FOR Students, Programmers, researchers, and software developers who wish to learn the basics of Python programming language. Table of Contents 1. Introduction to Python Language 2. Python Data Types and Input Output 3. Operators and Expressions 4. Control Structures 5. Python Native Data Types 6. Python Functions 7. Python Modules 8. Exception Handling 9. File Management in Python 10. Classes and Objects 11. Inheritance 12. Python Operator Overloading

Python for Everybody - Charles R. Severance
2016-04-09
Python for Everybody is designed to introduce students to programming and software development through the lens of exploring data. You can think of the Python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet. Python is an easy to use and easy to learn programming language that is freely available on Macintosh, Windows, or Linux computers. So once you learn Python you can use it for the rest of your career without needing to purchase any software. This book uses the Python 3 language. The earlier Python 2 version of this book is titled "Python for Informatics: Exploring Information". There are free downloadable electronic copies of this book in various formats and supporting materials for the

book at www.pythonlearn.com. The course materials are available to you under a Creative Commons License so you can adapt them to teach your own Python course.

Core Python Programming - Wesley J Chun
2006-09-18

Praise for Core Python Programming The Complete Developer's Guide to Python New to Python? The definitive guide to Python development for experienced programmers Covers core language features thoroughly, including those found in the latest Python releases—learn more than just the syntax! Learn advanced topics such as regular expressions, networking, multithreading, GUI, Web/CGI, and Python extensions Includes brand-new material on databases, Internet clients, Java/Jython, and Microsoft Office, plus Python 2.6 and 3 Presents hundreds of code snippets, interactive examples, and practical exercises to strengthen your Python skills Python is an agile, robust, expressive, fully object-oriented, extensible, and scalable programming language. It combines the power of compiled languages with the simplicity and rapid development of scripting languages. In Core Python Programming, Second Edition, leading Python developer and trainer Wesley Chun helps you learn Python quickly and comprehensively so that you can immediately succeed with any Python project. Using practical code examples, Chun introduces all the fundamentals of Python programming: syntax, objects and memory management, data types, operators, files and I/O, functions, generators, error handling and exceptions, loops, iterators, functional programming, object-oriented programming and more. After you learn the core fundamentals of Python, he shows you what you can do with your new skills, delving into advanced topics, such as regular expressions, networking programming with sockets, multithreading, GUI development, Web/CGI programming and extending Python in C. This edition reflects major enhancements in the Python 2.x series, including 2.6 and tips for migrating to 3. It contains new chapters on database and Internet client programming, plus coverage of many new topics, including new-style classes, Java and Jython, Microsoft Office (Win32 COM Client) programming, and much more. Learn professional Python style, best

practices, and good programming habits Gain a deep understanding of Python's objects and memory model as well as its OOP features, including those found in Python's new-style classes Build more effective Web, CGI, Internet, and network and other client/server applications Learn how to develop your own GUI applications using Tkinter and other toolkits available for Python Improve the performance of your Python applications by writing extensions in C and other languages, or enhance I/O-bound applications by using multithreading Learn about Python's database API and how to use a variety of database systems with Python, including MySQL, Postgres, and SQLite Features appendices on Python 2.6 & 3, including tips on migrating to the next generation!

Core Python Applications Programming Wesley Chun 2012

Demonstrates the programming language's strength as a Web development tool, covering such topics as regular expressions, Django, cloud computing, and Web services, and includes real world examples.

Programming in Python 3 - Mark Summerfield 2008-12-16

Python 3 is the best version of the language yet: It is more powerful, convenient, consistent, and expressive than ever before. Now, leading Python programmer Mark Summerfield demonstrates how to write code that takes full advantage of Python 3's features and idioms. The first book written from a completely "Python 3" viewpoint, *Programming in Python 3* brings together all the knowledge you need to write any program, use any standard or third-party Python 3 library, and create new library modules of your own. Summerfield draws on his many years of Python experience to share deep insights into Python 3 development you won't find anywhere else. He begins by illuminating Python's "beautiful heart": the eight key elements of Python you need to write robust, high-performance programs. Building on these core elements, he introduces new topics designed to strengthen your practical expertise—one concept and hands-on example at a time. This book's coverage includes Developing in Python using procedural, object-oriented, and functional programming paradigms Creating custom packages and modules Writing and reading

binary, text, and XML files, including optional compression, random access, and text and XML parsing Leveraging advanced data types, collections, control structures, and functions Spreading program workloads across multiple processes and threads Programming SQL databases and key-value DBM files Utilizing Python's regular expression mini-language and module Building usable, efficient, GUI-based applications Advanced programming techniques, including generators, function and class decorators, context managers, descriptors, abstract base classes, metaclasses, and more Programming in Python 3 serves as both tutorial and language reference, and it is accompanied by extensive downloadable example code—all of it tested with the final version of Python 3 on Windows, Linux, and Mac OS X.

OCA / OCP Java SE 8 Programmer Practice Tests - Scott Selikoff 2017-03-16

Test your knowledge and prepare for the OCA/OCP exams OCA/OCP Java SE 8 Programmer Practice Tests complements the Sybex OCA: Oracle Certified Associate Java SE 8 Programmer I Certification Study Guide and the OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide for exams 1Z0-808 and 1Z0-809 by providing last minute review of 100% of exam objectives. Get the advantage of over 1,000 expert crafted questions that not only provide the answer, but also give detailed explanations. You will have access to unique practice questions that cover all 21 objective domains in the OCA/OCP exams in the format you desire--test questions can also be accessed via the Sybex interactive learning environment. Two additional practice exams will ensure that you are ready for exam day. Whether you have studied with Sybex study guides for your OCA/OCP or have used another brand, this is your chance to test your skills. Access to all practice questions online with the Sybex interactive learning environment Over 1,000 unique practice questions and 2 practice exams include expert explanations Covers 100% of all 21 OCA/OCP objective domains for Exams 1Z0-809 and 1Z0-809 Studying the objectives are one thing, but diving deeper and uncovering areas where further attention is needed can increase your chance of exam day success. Full coverage of all domains shows you what to

expect on exam day, and accompanying explanations help you pinpoint which objectives deserve another look.

Core Python Programming - Chun 2006

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. The Complete Developer's Guide to Python New to Python? The definitive guide.

Core Java Made Simple Som Prakash Rai
2018-01-24

Covering topics from simple to complex, this book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. --

Expert Python Programming - Michal Jaworski 2016-05-20

Become an ace Python programmer by learning best coding practices and advance-level concepts with Python 3.5 About This Book Based on the latest stable version of Python (version 3.5) Creating well manageable code that will run in various environments with different sets of dependencies Packed with advanced concepts and best practices to write efficient Python code Who This Book Is For The book would appeal to web developers and Python programmers who want to start using version 3.5 and write code efficiently. Basic knowledge of Python programming is expected. What You Will Learn Conventions and best practices that are widely adopted in the python community Package python code effectively for community and production use Easy and lightweight ways to automate code deployment on remote systems Improve your code's quality, reliability, and performance Write concurrent code in python Extend python with code written in different languages In Detail Python is a dynamic programming language, used in a wide range of domains by programmers who find it simple, yet powerful. Even if you find writing Python code easy, writing code that is efficient and easy to maintain and reuse is a challenge. The focus of the book is to familiarize you with common conventions, best practices, useful tools and standards used by python professionals on a daily basis when working with code. You will begin with knowing new features in Python 3.5 and quick tricks for improving productivity. Next, you will learn advanced and useful python

syntax elements brought to this new version. Using advanced object-oriented concepts and mechanisms available in python, you will learn different approaches to implement metaprogramming. You will learn to choose good names, write packages, and create standalone executables easily. You will also be using some powerful tools such as buildout and virtualenv to release and deploy the code on remote servers for production use. Moving on, you will learn to effectively create Python extensions with C, C++, cython, and pyrex. The important factors while writing code such as code management tools, writing clear documentation, and test-driven development are also covered. You will now dive deeper to make your code efficient with general rules of optimization, strategies for finding bottlenecks, and selected tools for application optimization. By the end of the book, you will be an expert in writing efficient and maintainable code. Style and approach An easy-to-follow guide that covers industry followed best practices in Python programming

Python - Martin C. Brown 2001

Python is an intergrated, object-orientated development language for use in computer programming. This text is split into distinct sections, each concentrating on a core angle of the language. The book also contains sections for Web and application development, the two most popular uses for Python. It is designed to teach a programmer how to use Python by explaining the mechanics of Python. The appendixes offer a quick guide to the main features of the Python language, as well as additional guides to non-essential systems such as the IDLE development environment and general guidelines for migrating from another language.

Let Us Python (Second Edition) Ashavant Kanetkar 2020-02-11

Learn Python Quickly, A Programmer-Friendly Guide DESCRIPTION Most Programmer's learning Python are usually comfortable with some or the other programming language and are not interested in going through the typical learning curve of learning the first programming language. Instead, they are looking for something that can get them off the ground quickly. They are looking for similarities and differences in a feature that they have used in

other language(s). This book should help them immediately. It guides you from the fundamentals of using module through the use of advanced object orientation. KEY FEATURES Strengthens the foundations, as detailed explanation of programming language concepts are given in simple manner. Lists down all the important points that you need to know related to various topics in an organized manner.

Prepares you for coding related interview and theoretical questions. Provides In depth explanation of complex topics and Questions. Focuses on how to think logically to solve a problem. Follows a systematic approach that will help you to prepare for an interview in short duration of time. Exercises are exceptionally useful to complete the reader's understanding of a topic. WHAT WILL YOU LEARN Data types, Control flow instructions, console & File Input/Output Strings, list & tuples, List comprehension Sets & Dictionaries, Functions & Lambdas Dictionary Comprehension Modules, classes and objects, Inheritance Operator overloading, Exception handling Iterators & Generators, Decorators, Command-line Parsing

WHO THIS BOOK IS FOR Students, Programmers, researchers, and software developers who wish to learn the basics of Python programming language. Table of Contents 1. Introduction to Python 2. Python Basics 3. Strings 4. Decision Control Instruction 5. Repetition Control Instruction 6. Console Input/Output 7. Lists 8. Tuples 9. Sets 10. Dictionaries 11. Comprehensions 12. Functions 13. Recursion 14. Functional Programming 15. Modules and Packages 16. Namespaces 17. Classes and Objects 18. Intricacies of Classes and Objects 19. Containership and Inheritance 20. Iterators and Generators 21. Exception Handling 22. File Input/Output 23. Miscellany 24. Multi-threading 25. Synchronization

Taming PYTHON By Programming - Jeeva Jose

This is a great book for Python Beginner and Advanced Learner which covers Basics to Advanced Python Programming where each topic is explained with the help of Illustrations and Examples. More than 450 solved programs of this book are tested in Python 3.4.3 for windows. The range of Python Topics covered makes this book unique which can be used as a

self study material or for instructor assisted teaching. This books covers Python Syllabus of all major national and international universities. Also it includes frequently asked questions for interviews and examination which are provided at the end of each chapter.

Introduction to Python Programming -

Gowrishankar S 2018-12-07

Introduction to Python Programming is written for students who are beginners in the field of computer programming. This book presents an intuitive approach to the concepts of Python Programming for students. This book differs from traditional texts not only in its philosophy but also in its overall focus, level of activities, development of topics, and attention to programming details. The contents of the book are chosen with utmost care after analyzing the syllabus for Python course prescribed by various top universities in USA, Europe, and Asia. Since the prerequisite know-how varies significantly from student to student, the book's overall overture addresses the challenges of teaching and learning of students which is fine-tuned by the authors' experience with large sections of students. This book uses natural language expressions instead of the traditional shortened words of the programming world. This book has been written with the goal to provide students with a textbook that can be easily understood and to make a connection between what students are learning and how they may apply that knowledge. Features of this book This book does not assume any previous programming experience, although of course, any exposure to other programming languages is useful This book introduces all of the key concepts of Python programming language with helpful illustrations Programming examples are presented in a clear and consistent manner Each line of code is numbered and explained in detail Use of f-strings throughout the book Hundreds of real-world examples are included and they come from fields such as entertainment, sports, music and environmental studies Students can periodically check their progress with in-chapter quizzes that appear in all chapters

Test Your Skills in Python - Second Edition - Dr. Shivani Goel 2022-01-18

Best learning Scroll for Python KEY FEATURES ● 16 chapters covering basic (loops) to

advanced (NumPy) topics in Python. ● Focus on one topic per chapter to help learners understand topics in depth. ● Key points from Theory highlighted in each chapter for better retention. ● More than 1000 questions that give ample opportunity for practice. ● 7 Model test papers for learners to test their progress.

DESCRIPTION This book contains to-the-point theory followed by questions about programming skills in Python. It provides an active and structured way of learning Python. The readers can test their learning by attempting MCQs, True/False questions, and questions about finding the output in a code, identifying the error and much more. The explanations of the answers provide detailed information about the concepts tested. All topics in Python are divided into 16 chapters in this book. These includes Syntax, Input-output, Data types, Strings, Operators and Expressions, Decision Control Statements, Loops, Functions, Lists, Dictionaries, Sets, Tuples, Classes, Files, Graphics, Arrays and Databases. More than 1000 questions are included for all the topics.

WHAT YOU WILL LEARN ● Syntax of writing Python programs. ● All possible errors encountered while programming in Python. ● Execution of different constructs in detail. ● Handling graphics and databases in Python. ● Using Arrays in Python. ● Handling programs and files in Python. **WHO THIS BOOK IS FOR**

This book is meant for the students of Undergraduate, postgraduate level and for the beginners in Python. **TABLE OF CONTENTS** 1. Syntax and Input-Output 2. Data types 3. Strings 4. Operators and Expressions 5. Decision Control statements 6. Loops 7. User- Defined Functions 8. Lists 9. Dictionaries 10. Sets 11. Tuples 12. Classes 13. Files 14. Graphics 15. Arrays (NumPy) 16. Databases Appendix A: Python keywords and their use Appendix B: Operators in Python and their precedence Appendix C: Libraries in Python and common functions Bibliography Model Test Paper 1 (Solved) Model Test Paper 2 (Solved) Model Test Paper 3 (Solved) Model Test Paper 4 (Solved) Model Test Paper 5 (Solved) Model Test Paper 6 (Solved) Model Test Paper 7 (Unsolved) Software Testing Concepts And Tools - Nageshwar Rao Pusuluri 2006-12 Software Testing Concepts and Tools provide

experience-based practices and key concepts that can be used by any organization to implement a successful and efficient testing process. This book provides experience-based practices and key concepts that can be used by an organization to implement a successful and efficient testing process. The prime aim of this book is to provide a distinct collection of technologies and discussions that are directly applicable in software development organizations to improve the quality and avoid major mistakes and human errors. · Software Engineering Evaluation· System Testing Process· WinRunner 8.0· QTP 8.2· LoadRunner 8.0· TestDirector 8.0

Let Us C: Authentic Guide to C PROGRAMMING Language 17th Edition (English Edition) - Yashavant Kanetkar 2020-09-04

Learn the hand-crafted notes on C programming Key Features Strengthens the foundations, as a detailed explanation of programming language concepts are given Lucid explanation of the concept Well thought-out, fully working programming examples End-of-chapter exercises that would help you practice the skills learned in the chapter Hand-crafted "KanNotes" at the end of the each chapter that would help the reader remember and revise the concepts covered in the chapter Focuses on how to think logically to solve a problem **Description** The new edition of this classic book has been thoroughly revamped, but remains faithful to the principles that have established it as a favourite amongst students, teachers and software professionals round the world. "Simplicity"- that has been the hallmark of this book in not only its previous sixteen English editions, but also in the Hindi, Gujrati, Japanese, Korean, Chinese and US editions. This book doesn't assume any programming background. It begins with the basics and steadily builds the pace so that the reader finds it easy to handle advanced topics towards the end of the book. What will you learn C Instructions Decision Control Instruction, Loop Control Instruction, Case Control Instruction Functions, Pointers, Recursion Data Types, The C Preprocessor Arrays, Strings Structures, Console Input/Output, File Input/Output Who this book is for Students, Programmers, researchers, and software developers who wish

to learn the basics of C++ programming language. Table of Contents 1. Getting Started 2. C Instructions 3. Decision Control Instruction 4. More Complex Decision Making 5. Loop Control Instruction 6. More Complex Repetitions 7. Case Control Instruction 8. Functions 9. Pointers 10. Recursion 11. Data Types Revisited 12. The C Preprocessor 13. Arrays 14. Multidimensional Arrays 15. Strings 16. Handling Multiple Strings 17. Structures 18. Console Input/Output 19. File Input/Output 20. More Issues In Input/Output 21. Operations On Bits 22. Miscellaneous Features 23. Interview FAQs Appendix A- Compilation and Execution Appendix B- Precedence Table Appendix C- Chasing the Bugs Appendix D- ASCII Chart Periodic Tests I to IV, Course Tests I, II Index About the Authors

Through his books and Quest Video Courses on C, C++, Java, Python, Data Structures, .NET, IoT, etc. Yashavant Kanetkar has created, molded and groomed lacs of IT careers in the last three decades. Yashavant's books and Quest videos have made a significant contribution in creating top-notch IT manpower in India and abroad. Yashavant's books are globally recognized and millions of students/professionals have benefitted from them. Yashavant's books have been translated into Hindi, Gujarati, Japanese, Korean and Chinese languages. Many of his books are published in India, USA, Japan, Singapore, Korea and China. Yashavant is a much sought after speaker in the IT field and has conducted seminars/workshops at TedEx, IITs, IIITs, NITs and global software companies. Yashavant has been honored with the prestigious "Distinguished Alumnus Award" by IIT Kanpur for his entrepreneurial, professional and academic excellence. This award was given to top 50 alumni of IIT Kanpur who have made a significant contribution towards their profession and betterment of society in the last 50 years. His LinkedIn profile: [linkedin.com/in/yashavant-kanetkar-9775255](https://www.linkedin.com/in/yashavant-kanetkar-9775255)

Programming with Python - T R Padmanabhan
2017-01-13

Based on the latest version of the language, this book offers a self-contained, concise and coherent introduction to programming with Python. The book's primary focus is on realistic case study applications of Python. Each practical

example is accompanied by a brief explanation of the problem-terminology and concepts, followed by necessary program development in Python using its constructs, and simulated testing. Given the open and participatory nature of development, Python has a variety of incorporated data structures, which has made it difficult to present it in a coherent manner. Further, some advanced concepts (super, yield, generator, decorator, etc.) are not easy to explain. The book specially addresses these challenges; starting with a minimal subset of the core, it offers users a step-by-step guide to achieving proficiency.

[Python for Data Analysis](#) - Wes McKinney
2017-09-25

Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the process. Written by Wes McKinney, the creator of the Python pandas project, this book is a practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples

[Programming with JAVA - A Primer](#) - E. Balaguruswamy
2014-06-04

Programming with JAVA, 3e, incorporates all the updates and enhancements added to JAVA 2 and J2SE 5.0 releases. The book presents the language concepts in extremely simple and easy-to-understand style with illustrations and examples wherever necessary. Salient Features

Fully explains the entire Java language. Discusses Java's unique features such as packages and interfaces. Shows how to create and implement applets. Illustrates the use of advanced concepts like multithread and graphics. Covers exception handling in depth. Debugging exercises and two full-fledged projects. Includes model questions from the Sun Certified JAVA Programmer Exam.

Software Testing and Quality Assurance - Kshirasagar Naik 2011-09-23

A superior primer on software testing and quality assurance, from integration to execution and automation. This important new work fills the pressing need for a user-friendly text that aims to provide software engineers, software quality professionals, software developers, and students with the fundamental developments in testing theory and common testing practices. Software Testing and Quality Assurance: Theory and Practice equips readers with a solid understanding of: Practices that support the production of quality software. Software testing techniques. Life-cycle models for requirements, defects, test cases, and test results. Process models for units, integration, system, and acceptance testing. How to build test teams, including recruiting and retaining test engineers. Quality Models, Capability Maturity Model, Testing Maturity Model, and Test Process Improvement Model. Expertly balancing theory with practice, and complemented with an abundance of pedagogical tools, including test questions, examples, teaching suggestions, and chapter summaries, this book is a valuable, self-contained tool for professionals and an ideal introductory text for courses in software testing, quality assurance, and software engineering.

Python Programming for the Absolute Beginner: CD-ROM - Michael Dawson 2006

Learn Python 3 the Hard Way Zed A. Shaw 2017-06-26

You Will Learn Python 3! Zed Shaw has perfected the world's best system for learning Python 3. Follow it and you will succeed—just like the millions of beginners Zed has taught to date! You bring the discipline, commitment, and persistence; the author supplies everything else. In Learn Python 3 the Hard Way, you'll learn Python by working through 52 brilliantly crafted

exercises. Read them. Type their code precisely. (No copying and pasting!) Fix your mistakes. Watch the programs run. As you do, you'll learn how a computer works; what good programs look like; and how to read, write, and think about code. Zed then teaches you even more in 5+ hours of video where he shows you how to break, fix, and debug your code—live, as he's doing the exercises. Install a complete Python environment. Organize and write code. Fix and break code. Basic mathematics. Variables. Strings and text. Interact with users. Work with files. Looping and logic. Data structures using lists and dictionaries. Program design. Object-oriented programming. Inheritance and composition. Modules, classes, and objects. Python packaging. Automated testing. Basic game development. Basic web development. It'll be hard at first. But soon, you'll just get it—and that will feel great! This course will reward you for every minute you put into it. Soon, you'll know one of the world's most powerful, popular programming languages. You'll be a Python programmer. This Book Is Perfect For: Total beginners with zero programming experience. Junior developers who know one or two languages. Returning professionals who haven't written code in years. Seasoned professionals looking for a fast, simple, crash course in Python 3.

The Ultimate C - Nageswara Rao R 2012-10-28

The main objective of writing this book is that every student should be able to acquire necessary skills required to become a programmer. The logic of each and every problem is explained in a simple manner which helps the student to write better programs. This book discusses all concepts of C starting from fundamentals to advanced topics in a lucid manner. It covers hundreds of solved programs which are useful to the students for their examinations. It also covers the interview questions which help the students come up with flying colours in their career. Salient Features: All the concepts are discussed in a lucid, easy to understand manner. A reader without any basic knowledge in computers can comfortably follow this book. Helps to build logic in the students which becomes stepping stone for programming. Interview questions collected from the actual interviews of various Software companies will help the students to be successful in their

campus interviews. Hundreds of solved programs help the students of Indian Universities do well in their examinations like B.C.A, B.Sc, M.Sc, M.C.A, B.E, B.Tech, M.Tech, etc. Works like a handy reference to the Software professionals in their programming. Starting at basic level, this book covers advanced topics like Pointers, Data structures, Searching and sorting techniques and Graphics. Table of Contents Fundamental Concepts in C Data types and operators Control statements in C Arrays Functions Characters and strings Storage Classes Pointers Structures and Unions File Concepts Command Line Arguments Macros and Enumerations Data Structures in C Searching, Sorting and Merging Graphics and Animation Appendix - I: List of Programs Appendix - II: List of Interview Questions *Core Java: An Integrated Approach: Covers Concepts, programs and Interview Questions w/ CD* - R. Nageswara Rao/kogent Solutions 2008-02

The book is written in such a way that learners without any background in programming are able to follow and understand it entirely. It discusses the concepts of Java in a simple and straightforward language with a clear cut explanation, without beating around the bush. On reading the book, readers are able to write simple programs on their own, as this is the first requirement to become a Java Programmer. The book provides ample solved programs which could be used by the students not only in their examinations but also to remove the fear of programming from their minds. After reading the book, the students gain the confidence to apply for a software development company, face the interview board and come out successful. The book covers sample interview questions which were asked in various interviews. It helps students to prepare for their future careers.

[Hands-On Data Science and Python Machine Learning](#) - Frank Kane 2017-07-31

This book covers the fundamentals of machine learning with Python in a concise and dynamic manner. It covers data mining and large-scale machine learning using Apache Spark. About This Book Take your first steps in the world of data science by understanding the tools and techniques of data analysis Train efficient Machine Learning models in Python using the

supervised and unsupervised learning methods Learn how to use Apache Spark for processing Big Data efficiently Who This Book Is For If you are a budding data scientist or a data analyst who wants to analyze and gain actionable insights from data using Python, this book is for you. Programmers with some experience in Python who want to enter the lucrative world of Data Science will also find this book to be very useful, but you don't need to be an expert Python coder or mathematician to get the most from this book. What You Will Learn Learn how to clean your data and ready it for analysis Implement the popular clustering and regression methods in Python Train efficient machine learning models using decision trees and random forests Visualize the results of your analysis using Python's Matplotlib library Use Apache Spark's MLlib package to perform machine learning on large datasets In Detail Join Frank Kane, who worked on Amazon and IMDb's machine learning algorithms, as he guides you on your first steps into the world of data science. Hands-On Data Science and Python Machine Learning gives you the tools that you need to understand and explore the core topics in the field, and the confidence and practice to build and analyze your own machine learning models. With the help of interesting and easy-to-follow practical examples, Frank Kane explains potentially complex topics such as Bayesian methods and K-means clustering in a way that anybody can understand them. Based on Frank's successful data science course, Hands-On Data Science and Python Machine Learning empowers you to conduct data analysis and perform efficient machine learning using Python. Let Frank help you unearth the value in your data using the various data mining and data analysis techniques available in Python, and to develop efficient predictive models to predict future results. You will also learn how to perform large-scale machine learning on Big Data using Apache Spark. The book covers preparing your data for analysis, training machine learning models, and visualizing the final data analysis. Style and approach This comprehensive book is a perfect blend of theory and hands-on code examples in Python which can be used for your reference at any time.

Python Programming - Reema Thareja 2019

Python Programming is designed as a textbook to fulfil the requirements of the first-level course in Python programming. It is suited for undergraduate degree students of computer science engineering, IT as well as computer applications. This book will enable students to apply the Python programming concepts in solving real-world problems. The book begins with an introduction to computers, problem solving approaches, programming languages, object oriented programming, and Python programming. Separate chapters dealing with the important constructs of Python language such as control statements, functions, strings, files, data structures, classes and objects, inheritance, operator overloading, and exceptions are provided in the book.

Our Story Needs No Filter - Sudeep Nagarkar
2017-06-26

Sometimes, love is just an illusion. Sometimes, it becomes the sole purpose of your life. While stories on social media were trending, Raghu was lost in books. For him, even the idea of falling in love was limited to books-until he met Ruhi. As their love plays out against the backdrop of the upcoming student elections, Raghu finds himself embroiled in a mess he cannot seem to get out of. When his closest friends hatch a plan to rescue him, it only puts him in further jeopardy. Will his love sail through or will it get swept away by the storm of campus politics? Set in this elaborate sociopolitical milieu, Sudeep's new book explores the dark side of relationships, the pursuit of power and the hypocrisy of the powerful.

Web Technologies: Html, Javascript, Php, Java, Jsp, Asp.Net, Xml And Ajax, Black Book (With Cd) - Kogent Learning Solutions Inc. (with Cd)
2009-09-01

Introducing Python - Bill Lubanovic
2019-11-06

Easy to understand and fun to read, this updated edition of Introducing Python is ideal for beginning programmers as well as those new to the language. Author Bill Lubanovic takes you from the basics to more involved and varied topics, mixing tutorials with cookbook-style code recipes to explain concepts in Python 3. End-of-chapter exercises help you practice what you've

learned. You'll gain a strong foundation in the language, including best practices for testing, debugging, code reuse, and other development tips. This book also shows you how to use Python for applications in business, science, and the arts, using various Python tools and open source packages.

Graph Theory with Applications to Engineering and Computer Science - Narsingh Deo 1974

Because of its inherent simplicity, graph theory has a wide range of applications in engineering, and in physical sciences. It has of course uses in social sciences, in linguistics and in numerous other areas. In fact, a graph can be used to represent almost any physical situation involving discrete objects and the relationship among them. Now with the solutions to engineering and other problems becoming so complex leading to larger graphs, it is virtually difficult to analyze without the use of computers. This book is recommended in IIT Kharagpur, West Bengal for B.Tech Computer Science, NIT Arunachal Pradesh, NIT Nagaland, NIT Agartala, NIT Silchar, Gauhati University, Dibrugarh University, North Eastern Regional Institute of Management, Assam Engineering College, West Bengal University of Technology (WBUT) for B.Tech, M.Tech Computer Science, University of Burdwan, West Bengal for B.Tech. Computer Science, Jadavpur University, West Bengal for M.Sc. Computer Science, Kalyani College of Engineering, West Bengal for B.Tech. Computer Science. Key Features: This book provides a rigorous yet informal treatment of graph theory with an emphasis on computational aspects of graph theory and graph-theoretic algorithms. Numerous applications to actual engineering problems are incorporated with software design and optimization topics.

Data Structures and Algorithms with Python - Kent D. Lee 2015-01-12

This textbook explains the concepts and techniques required to write programs that can handle large amounts of data efficiently. Project-oriented and classroom-tested, the book presents a number of important algorithms supported by examples that bring meaning to the problems faced by computer programmers. The idea of computational complexity is also introduced, demonstrating what can and cannot be computed efficiently so that the programmer

can make informed judgements about the algorithms they use. Features: includes both introductory and advanced data structures and algorithms topics, with suggested chapter sequences for those respective courses provided in the preface; provides learning goals, review questions and programming exercises in each chapter, as well as numerous illustrative examples; offers downloadable programs and supplementary files at an associated website, with instructor materials available from the author; presents a primer on Python for those from a different language background.

Think Python - Allen B. Downey 2015-12-02

If you want to learn how to program, working with Python is an excellent way to start. This hands-on guide takes you through the language a step at a time, beginning with basic programming concepts before moving on to functions, recursion, data structures, and object-oriented design. This second edition and its supporting code have been updated for Python 3. Through exercises in each chapter, you'll try out programming concepts as you learn them. Think Python is ideal for students at the high school or college level, as well as self-learners, home-schooled students, and professionals who need to learn programming basics. Beginners just getting their feet wet will learn how to start with Python in a browser. Start with the basics, including language syntax and semantics Get a clear definition of each programming concept Learn about values, variables, statements, functions, and data structures in a logical progression Discover how to work with files and databases Understand objects, methods, and object-oriented programming Use debugging techniques to fix syntax, runtime, and semantic errors Explore interface design, data structures, and GUI-based programs through case studies

Python Tricks - Dan Bader 2017

"I don't even feel like I've scratched the surface of what I can do with Python" With Python Tricks: The Book you'll discover Python's best practices and the power of beautiful & Pythonic code with simple examples and a step-by-step narrative. You'll get one step closer to mastering Python, so you can write beautiful and idiomatic code that comes to you naturally. Learning the ins and outs of Python is difficult-and with this book you'll be able to focus on the practical skills

that really matter. Discover the "hidden gold" in Python's standard library and start writing clean and Pythonic code today. Who Should Read This Book: If you're wondering which lesser known parts in Python you should know about, you'll get a roadmap with this book. Discover cool (yet practical!) Python tricks and blow your coworkers' minds in your next code review. If you've got experience with legacy versions of Python, the book will get you up to speed with modern patterns and features introduced in Python 3 and backported to Python 2. If you've worked with other programming languages and you want to get up to speed with Python, you'll pick up the idioms and practical tips you need to become a confident and effective Pythonista. If you want to make Python your own and learn how to write clean and Pythonic code, you'll discover best practices and little-known tricks to round out your knowledge. What Python Developers Say About The Book: "I kept thinking that I wished I had access to a book like this when I started learning Python many years ago." - Mariatta Wijaya, Python Core Developer "This book makes you write better Python code!" - Bob Belderbos, Software Developer at Oracle "Far from being just a shallow collection of snippets, this book will leave the attentive reader with a deeper understanding of the inner workings of Python as well as an appreciation for its beauty." - Ben Felder, Pythonista "It's like having a seasoned tutor explaining, well, tricks!" - Daniel Meyer, Sr. Desktop Administrator at Tesla Inc.

Expert Python Programming - Michał Jaworski 2019-04-30

Refine your Python programming skills and build professional grade applications with this comprehensive guide Key Features Create manageable code that can run in various environments with different sets of dependencies Implement effective Python data structures and algorithms to write optimized code Discover the exciting new features of Python 3.7 Book Description Python is a dynamic programming language that's used in a wide range of domains thanks to its simple yet powerful nature. Although writing Python code is easy, making it readable, reusable, and easy to maintain is challenging. Complete with best practices, useful tools, and standards implemented by professional Python developers,

the third edition of Expert Python Programming will help you overcome this challenge. The book will start by taking you through the new features in Python 3.7. You'll then learn the advanced components of Python syntax, in addition to understanding how to apply concepts of various programming paradigms, including object-oriented programming, functional programming, and event-driven programming. This book will also guide you through learning the best naming practices, writing your own distributable Python packages, and getting up to speed with automated ways of deploying your software on remote servers. You'll discover how to create useful Python extensions with C, C++, Cython, and CFFI. Furthermore, studying about code management tools, writing clear documentation, and exploring test-driven development will help you write clean code. By the end of the book, you will have become an expert in writing efficient and maintainable Python code. What you will learn

Explore modern ways of setting up repeatable and consistent development environments
Package Python code effectively for community and production use
Learn modern syntax elements of Python programming such as f-strings, enums, and lambda functions
Demystify metaprogramming in Python with metaclasses
Write concurrent code in Python
Extend Python with code written in different languages
Integrate Python with code written in different languages
Who this book is for
This book will appeal to you if you're a programmer looking to take your Python knowledge to the next level by writing efficient code and learning the latest features of version 3.7 and above.

Learn Python B. Nagesh Rao 2017-05-17
10 Reasons Why This is the Best Book for You: 1. This book starts slowly! The fundamental concepts are taught gently to ensure that you have a good foundation of basic concepts! 2. This book is well organised! The chapters, headings, subheadings and content within the chapters have been planned very carefully so that you conquer Python - chapter by chapter! 3. This book teaches interactively! The moment a new concept is taught, there is code that immediately follows so that you understand how it looks to the Python interpreter! 4. This book teaches even when you can't practice! Not only

do we show you code immediately after teaching a concept, we also provide output from a real Python session so that you can imagine how Python reacts when you type in a piece of code! 5. This book teaches good programming practices! It is not only important to learn Python, but to also code like a professional. While it will definitely take a little bit of time to metamorphose from novice to professional, we show you best practices and pitfalls that will accelerate your journey! 6. This book presents programs that solve real problems! When it is time to apply Python, we show you constructive programs that demonstrate how to apply Python concepts! 7. We analyse every bit of code! Everything there is to analyse is analysed. Code snippets and programs are followed by output, which is then followed by analysis! 8. We compare Python with other programming languages! For the benefit of those readers who already know other programming languages like C/C++, Java or Perl, we provide tips that help them migrate to Python faster. These tips are in separate boxes to ensure that they don't disturb those readers who are not savvy with these languages! 9. We have filtered out content! While this might appear disadvantageous or counter-intuitive, we believe in presenting the most important concepts in detail and probably even skipping some concepts that you can live without! Call it the 80/20 rule if you will - we have decided to present in great detail those 20% of the features that you will use 80% of the time! 10. Each heading and subheading is need based! Our style of explaining a new concept is by first establishing a need. We believe this makes it easier for learners to understand not only what they are learning but also why!

[A Byte of Python](#) - C. H. C H Swaroop
2017-10-02

The programming language Python was conceived in the late 1980s, [1] and its implementation was started in December 1989[2] by Guido van Rossum at CWI in the Netherlands as a successor to the ABC (programming language) capable of exception handling and interfacing with the Amoeba operating system.[3] Van Rossum is Python's principal author, and his continuing central role in deciding the direction of Python is reflected in the title given to him by the Python community,

Benevolent Dictator for Life (BDFL).[4][5] Python was named for the BBC TV show Monty Python's Flying Circus.[6] Python 2.0 was released on October 16, 2000, with many major new features, including a cycle-detecting garbage collector (in addition to reference counting) for memory management and support for Unicode. However, the most important change was to the development process itself, with a shift to a more transparent and community-backed process.[7] Python 3.0, a major, backwards-incompatible release, was released on December 3, 2008[8] after a long period of testing. Many of its major features have also been backported to the backwards-compatible Python 2.6 and 2.7.[9] In February 1991, van Rossum published the code (labeled version 0.9.0) to alt.sources.[10] Already present at this stage in development were classes with inheritance, exception handling, functions, and the core datatypes of list, dict, str and so on. Also in this initial release was a module system borrowed from Modula-3; Van Rossum describes the module as "one of Python's major programming units." [1] Python's exception model also resembles Modula-3's, with the addition of an else clause.[3] In 1994 comp.lang.python, the primary discussion forum for Python, was formed, marking a milestone in the growth of Python's userbase.[1] Python reached version 1.0 in January 1994. The major new features included in this release were the functional programming tools lambda, map, filter and reduce. Van Rossum stated that "Python acquired lambda, reduce(), filter() and map(), courtesy of a Lisp hacker who missed them and submitted working patches." [11] The last version released while Van Rossum was at CWI was Python 1.2. In 1995, Van Rossum continued his work on Python at the Corporation for National Research Initiatives (CNRI) in Reston, Virginia whence he released several versions. By version 1.4, Python had acquired several new features. Notable among these are the Modula-3 inspired keyword arguments (which are also similar to Common Lisp's keyword arguments) and built-in support for complex numbers. Also included is a basic form of data hiding by name mangling, though this is easily bypassed.[12] During Van Rossum's stay at CNRI, he launched the Computer

Programming for Everybody (CP4E) initiative, intending to make programming more accessible to more people, with a basic "literacy" in programming languages, similar to the basic English literacy and mathematics skills required by most employers. Python served a central role in this: because of its focus on clean syntax, it was already suitable, and CP4E's goals bore similarities to its predecessor, ABC. The project was funded by DARPA.[13] As of 2007, the CP4E project is inactive, and while Python attempts to be easily learnable and not too arcane in its syntax and semantics, reaching out to non-programmers is not an active concern.[14] Here are what people are saying about the book: This is the best beginner's tutorial I've ever seen! Thank you for your effort. -- Walt Michalik The best thing i found was "A Byte of Python," which is simply a brilliant book for a beginner. It's well written, the concepts are well explained with self evident examples. -- Joshua Robin Excellent gentle introduction to programming #Python for beginners -- Shan Rajasekaran Best newbie guide to python -- Nickson Kaigi start to love python with every single page read -- Herbert Feutl perfect beginners guide for python, will give u key to unlock magical world of python **Machine Learning** - 2021-12-22

Recent times are witnessing rapid development in machine learning algorithm systems, especially in reinforcement learning, natural language processing, computer and robot vision, image processing, speech, and emotional processing and understanding. In tune with the increasing importance and relevance of machine learning models, algorithms, and their applications, and with the emergence of more innovative uses-cases of deep learning and artificial intelligence, the current volume presents a few innovative research works and their applications in real-world, such as stock trading, medical and healthcare systems, and software automation. The chapters in the book illustrate how machine learning and deep learning algorithms and models are designed, optimized, and deployed. The volume will be useful for advanced graduate and doctoral students, researchers, faculty members of universities, practicing data scientists and data engineers, professionals, and consultants working on the broad areas of machine learning,

deep learning, and artificial intelligence.