

Aleks Access Code Generator

Data Pipelines with Apache Airflow teaches you the ins-and-outs of the Directed Acyclic Graphs (DAGs) that power Airflow, and how to write your own DAGs to meet the needs of your projects. With complete coverage of both foundational and lesser-known features, when you're done you'll be set to start using Airflow for seamless data pipeline development and management. Pipelines can be challenging to manage, especially when your data has to flow through a collection of application components, servers, and cloud services. Airflow lets you schedule, restart, and backfill pipelines, and its easy-to-use UI and workflows with Python scripting has users praising its incredible flexibility. Data Pipelines with Apache Airflow takes you through best practices for creating pipelines for multiple tasks, including data lakes, cloud deployments, and data science. Data Pipelines with Apache Airflow teaches you the ins-and-outs of the Directed Acyclic Graphs (DAGs) that power Airflow, and how to write your own DAGs to meet the needs of your projects. With complete coverage of both foundational and lesser-known features, when you're done you'll be set to start using Airflow for seamless data pipeline development and management. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

Landmarks in Humanities is a single-volume survey of global culture designed to help students of humanities, cultural history, and history of the arts to understand and appreciate the relevance of historical works and ideas to their own daily lives. In chronological sequence, Landmarks guides students on a journey of the most notable monuments of the human imagination and the most prominent ideas and issues that have shaped the course and character of the world's cultures from prehistory to the present. The landmarks that mark this journey are the great works of their place and time and, in some cases, of all time. Enhanced by McGraw-Hill Education's SmartBook, Gloria Fiero delivers a learning experience tailored to the needs of each institution, instructor, and student. With the ability to incorporate new extended readings, streaming music, and artwork, Landmarks in Humanities renews the understanding of the relationship between world cultures and humankind's creative legacy.

Addresses law and employment decisions with a management perspective. This text explains how to approach and manage legal employment decisions, and outlines the specific legal framework in which management decisions are made.

This book provides a practically-oriented introduction to high-level programming language implementation. It demystifies what goes on within a compiler and stimulates the reader's interest in compiler design, an essential aspect of computer science. Programming language analysis and translation techniques are used in many software application areas. *A Practical Approach to Compiler Construction* covers the fundamental principles of the subject in an accessible way. It presents the necessary background theory and shows how it can be applied to implement complete compilers. A step-by-step approach, based on a standard compiler structure is adopted, presenting up-to-date techniques and examples. Strategies and designs are described in detail to guide the reader in implementing a translator for a programming language. A simple high-level language, loosely based on C, is used to illustrate aspects of the compilation process. Code examples in C are included, together with discussion and illustration of how this code can be extended to cover the compilation of more complex languages. Examples are also given of the use of the flex and bison compiler construction tools. Lexical and syntax analysis is covered in detail together with a comprehensive coverage of semantic analysis, intermediate representations, optimisation and code generation. Introductory material on parallelisation is also included. Designed for personal study as well as for use in introductory undergraduate and postgraduate courses in compiler design, the author assumes that readers have a reasonable competence in programming in any high-level language.

Precalculus is adaptable and designed to fit the needs of a variety of precalculus courses. It is a comprehensive text that covers more ground than a typical one- or two-semester college-level precalculus course. The content is organized by clearly-defined learning objectives, and includes worked examples that demonstrate problem-solving approaches in an accessible way. *Coverage and Scope Precalculus* contains twelve chapters, roughly divided into three groups. Chapters 1-4 discuss various types of functions, providing a foundation for the remainder of the course. Chapter 1: Functions Chapter 2: Linear Functions Chapter 3: Polynomial and Rational Functions Chapter 4: Exponential and Logarithmic Functions Chapters 5-8 focus on Trigonometry. In *Precalculus*, we approach trigonometry by first introducing angles and the unit circle, as opposed to the right triangle approach more commonly used in College Algebra and Trigonometry courses. Chapter 5: Trigonometric Functions Chapter 6: Periodic Functions Chapter 7: Trigonometric Identities and Equations Chapter 8: Further Applications of Trigonometry Chapters 9-12 present some advanced Precalculus topics that build on topics introduced in chapters 1-8. Most Precalculus syllabi include some of the topics in these chapters, but few include all. Instructors can select material as needed from this group of chapters, since they are not cumulative. Chapter 9: Systems of Equations and Inequalities Chapter 10: Analytic Geometry Chapter 11: Sequences, Probability and Counting Theory Chapter 12: Introduction to Calculus

Successful businesses recognize that the development of strong customer relationships through quality service (and services) as well as implementing service strategies for competitive advantage are key to their success. In its fourth European edition, *Services Marketing: Integrating Customer Focus across the Firm* provides full coverage of the foundations of services marketing, placing the distinctive Gaps model at the center of this approach. The new edition draws on the most recent research, and using up-to-date and topical examples, the book focuses on the development of customer relationships

through service, outlining the core concepts and theories in services marketing today. New and updated material in this new edition includes: • New content related to human resource strategies, including coverage of the role of robots and chatbots for delivering customer-focused services. • New coverage on listening to customers through research, big data, netnography and monitoring user-generated content. • Increased technology, social media and digital coverage throughout the text, including the delivery of services using mobile and digital platforms, as well as through the Internet of Things. • Brand new examples and case studies added from global and innovative companies including Turkish Airlines, Volvo, EasyJet and McDonalds. Available with McGraw-Hill's Connect®, the well-established online learning platform, which features our award-winning adaptive reading experience as well as resources to help faculty and institutions improve student outcomes and course delivery efficiency.

Compilers and operating systems constitute the basic interfaces between a programmer and the machine for which he is developing software. In this book we are concerned with the construction of the former. Our intent is to provide the reader with a firm theoretical basis for compiler construction and sound engineering principles for selecting alternate methods, implementing them, and integrating them into a reliable, economically viable product. The emphasis is upon a clean decomposition employing modules that can be re-used for many compilers, separation of concerns to facilitate team programming, and flexibility to accommodate hardware and system constraints. A reader should be able to understand the questions he must ask when designing a compiler for language X on machine Y, what tradeoffs are possible, and what performance might be obtained. He should not feel that any part of the design rests on whim; each decision must be based upon specific, identifiable characteristics of the source and target languages or upon design goals of the compiler. The vast majority of computer professionals will never write a compiler. Nevertheless, study of compiler technology provides important benefits for almost everyone in the field. • It focuses attention on the basic relationships between languages and machines. Understanding of these relationships eases the inevitable transitions to new hardware and programming languages and improves a person's ability to make appropriate tradeoffs in design and implementation.

What are the most popular names of the Ambo people in Namibia? Why do so many Ambos have Finnish first names? What do the African names of these people mean? Why is the namesake so important in Ambo culture? How did the nation's long struggle for independence affect personal naming, and what are the latest name-giving trends in Namibia? This study analyses the changes in the personal naming system of the Ambo people in Namibia over the past 120 years, starting with 1883, when the first Ambos received biblical and European names on baptism. The central factors in this process were the German and South African colonisation and European missionary work on the one hand, and the rise of African nationalism on the other. Eventually, this clash between African and European naming practices led to a new, dynamic naming system which includes elements of both African and European origin. "Within the field of onomastics, i.e. the scientific study of names, this study is a remarkable and extremely important one. ... I suspect that it will become a major and standard reference work in the future, not only regarding Ambo anthroponymy, but anthroponymy in general, particularly where cultures interact." Professor S. J. Neethling, University of the

Western Cape, South Africa

Intermediate Accounting, 6/e is built around a Learning System designed to prepare students for the new CPA exam and the business world, by emphasizing decision making. Acknowledging the diversity of students and their learning styles, the authors have created a clear text and varied supplemental materials to aid the success of every student. Intermediate Accounting, 6/e also provides a flexible and consistent supplemental package for instructors.

Note: This is the bound book only and does not include access to the Enhanced Pearson eText. To order the Enhanced Pearson eText packaged with a bound book, use ISBN 0134290046. With its focus on the socialization of the child, this book helps readers understand how the child develops in a variety of contexts, including the family, community, and early childhood institutions. *Child, Family, and Community* gives readers the tools they need to work effectively with both children and parents in ways that support children to be healthy, secure, and socialized members of their families, and eventually society. Guidance strategies are presented, as well as child rearing strategies that parents, parent educators and other professionals and practitioners can put to immediate use. The author relates the many contexts in which the child exists--family, school, and community--to Bronfenbrenner's ecological systems theory, which divide's a person's environment into five different levels: the microsystem, the mesosystem, the exosystem, the macrosystem, and the chronosystem. The Enhanced Pearson eText features embedded video and assessments. Improve mastery and retention with the Enhanced Pearson eText* The Enhanced Pearson eText provides a rich, interactive learning environment designed to improve student mastery of content. The Enhanced Pearson eText is: Engaging. The new interactive, multimedia learning features were developed by the authors and other subject-matter experts to deepen and enrich the learning experience. Convenient. Enjoy instant online access from your computer or download the Pearson eText App to read on or offline on your iPad® and Android® tablet.* Affordable. The Enhanced Pearson eText may be purchased stand-alone or with a loose-leaf version of the text for 40-65% less than a print bound book. * The Enhanced eText features are only available in the Pearson eText format. They are not available in third-party eTexts or downloads. *The Pearson eText App is available on Google Play and in the App Store. It requires Android OS 3.1-4, a 7" or 10" tablet, or iPad iOS 5.0 or later.

Offers a practical and theoretical coverage of investments market. This book places emphasis on asset allocation, and offers a treatment of futures, options, and other derivative security markets.

Provides an overview of the sustainable energy crisis that is threatening the world's natural resources, explaining how energy consumption is estimated and how those numbers have been skewed by various factors and discussing alternate forms of energy that can and should be used.

Navidi/Monk, *Elementary Statistics* was developed around three central themes - Clarity, Quality, and Accuracy. These central themes were born out of extensive market research and feedback from statistics instructors across the country. The authors paid close attention to how material is presented to students, ensuring that the content in the text is very clear, concise, and digestible. High quality

exercises, examples and integration of technology are important aspects of an Introductory Statistics text. The authors have provided robust exercise sets that range in difficulty. They have also focused keen attention to ensure that examples provide clear instruction to students. Technology is integrated throughout the text, providing students examples of how to use the TI-83 Plus and TI-84 Plus Graphing Calculators, Microsoft Excel and Minitab. The accuracy of Elementary Statistics was a foundational principle always on the minds of the authors. While this certainly pertains to all aspects of the text, the authors also exhausted energy in ensuring the supplements have been developed to fit cohesively with the text.

When you use Hibernate in your projects, you quickly recognize that you need to do more than just add `@Entity` annotations to your domain model classes. Real-world applications often require advanced mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to use. *Hibernate Tips - More than 70 solutions to common Hibernate problems* shows you how to efficiently implement your persistence layer with Hibernate's basic and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example project with executable test cases for each Hibernate Tip. Throughout this book, you will get more than 70 ready-to-use solutions that show you how to:

- Define standard mappings for basic attributes and entity associations.
- Implement your own attribute mappings and support custom data types.
- Use Hibernate's Java 8 support and other proprietary features.
- Read data from the database with JPQL, Criteria API, and native SQL queries.
- Call stored procedures and database functions.

This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel free to read the book from cover to cover or to just pick the tips that help you in your current project.

Summary Professional developers know the many benefits of writing application code that's clean, well-organized, and easy to maintain. By learning and following established patterns and best practices, you can take your code and your career to a new level. With *Practices of the Python Pro*, you'll learn to design professional-level, clean, easily maintainable software at scale using the incredibly popular programming language, Python. You'll find easy-to-grok examples that use pseudocode and Python to introduce software development best practices, along with dozens of instantly useful techniques that will help you code like a pro. Purchase of the print book includes a free eBook in PDF, Kindle,

and ePub formats from Manning Publications. About the technology Professional-quality code does more than just run without bugs. It's clean, readable, and easy to maintain. To step up from a capable Python coder to a professional developer, you need to learn industry standards for coding style, application design, and development process. That's where this book is indispensable. About the book Practices of the Python Pro teaches you to design and write professional-quality software that's understandable, maintainable, and extensible. Dane Hillard is a Python pro who has helped many dozens of developers make this step, and he knows what it takes. With helpful examples and exercises, he teaches you when, why, and how to modularize your code, how to improve quality by reducing complexity, and much more. Embrace these core principles, and your code will become easier for you and others to read, maintain, and reuse. What's inside Organizing large Python projects Achieving the right levels of abstraction Writing clean, reusable code Inheritance and composition Considerations for testing and performance About the reader For readers familiar with the basics of Python, or another OO language. About the author Dane Hillard has spent the majority of his development career using Python to build web applications. Table of Contents: PART 1 WHY IT ALL MATTERS 1 | The bigger picture PART 2 FOUNDATIONS OF DESIGN 2 | Separation of concerns 3 | Abstraction and encapsulation 4 | Designing for high performance 5 | Testing your software PART 3 NAILING DOWN LARGE SYSTEMS 6 | Separation of concerns in practice 7 | Extensibility and flexibility 8 | The rules (and exceptions) of inheritance 9 | Keeping things lightweight 10 | Achieving loose coupling PART 4 WHAT'S NEXT? 11 | Onward and upward

Principles of Macroeconomics provides a rigorous and theoretical treatment of concepts in an easy-to-follow and logical format. This fourth edition is fully up-to-date with all the latest relevant theories, figures and, data including a brand new chapter on macroeconomic policy (Chapter 10). The authors introduce a coherent short list of core principles and reinforce them by illustrating and applying each in numerous contexts. With engaging questions, explanations and exercises, the authors help students relate economic principles to a host of everyday experiences such as going to the ATM or purchasing airline tickets. Throughout this process, the authors encourage students to think like an economist and to and employ basic economic principles to understand and explain what they observe in the world around them. This approach engages student interest while teaching them to see each feature of their economic landscape as the reflection of an implicit or explicit cost-benefit calculation. Principles of Macroeconomics is accompanied by market leading interactive resources including graphing tutorials, logic cases, video cases, and quizzes to enable students to master concepts in an engaging way. LearnSmart adaptive technology is available for the first time with this edition! LearnSmart maximises learning productivity and efficiency by identifying the most important learning objectives for each student to master at a given point in time. It knows when

students are likely to forget specific information and revisits that content to advance knowledge from their short-term to long-term memory. Data driven reports highlight the concepts individual students - or the entire class are struggling with. LearnSmart is proven to improve academic performance - including higher retention rates and better grades.

This edition of 'Microbiology' provides a balanced, comprehensive introduction to all major areas of microbiology. The text is appropriate for students preparing for careers in medicine, dentistry, nursing and allied health, as well as research, teaching and industry.

This compendium of information on translation & localization provides you with an easy-to-read guide on how you can successfully approach a document or software localization project. The translation & localization processes are complicated ones. You can use this booklet to help prepare your projects & to better address your localization needs during the development process. The better prepared you are going into your project, the more efficiently it can be managed to shorten timelines, reduce costs, & improve quality. This guide is written in a way that will give you a good overview & a set of directions so that you can readily use it as a reference book for information on specific topics. By offering your products around the world in a version that appeals to each locale, you can increase your organization's distribution, extend the life of your products, & be less dependent upon the American market alone. Partial Contents: The Localization Launch Pad; Managing Your Terminology; Translation Tools; Documentation Project Management; Software Localization Project Management; Getting the Best Quality Translation; Software Internalization & Localization; Quality Assurance & Your Product; Translation & Localization Glossary; Resources

This two volume set LNAI 10947 and LNAI 10948 constitutes the proceedings of the 19th International Conference on Artificial Intelligence in Education, AIED 2018, held in London, UK, in June 2018. The 45 full papers presented in this book together with 76 poster papers, 11 young researchers tracks, 14 industry papers and 10 workshop papers were carefully reviewed and selected from 192 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

European economies are now dominated by services, and virtually all companies view service as critical to retaining their customers today and in the future. In its third European edition, *Services Marketing: Integrating Customer Focus across the Firm* provides full coverage of the foundations of services marketing, placing the distinctive gaps model at the center of this approach. Drawing on the most recent research and using up-to-date and topical examples, the book focuses on the development of customer relationships through quality service, outlining the core concepts and theories in services marketing today. New and updated material in this new edition include:

- New content on the role of digital marketing and social media has been added throughout to reflect the latest developments in this dynamic field
- Increased coverage of Service dominant logic regarding the creation of value and the understanding of customer relationships
- New examples and case studies added from global and innovative companies including AirBnB, IKEA, Disneyland, Scandinavia Airlines, and Skyscanner

Get started solving problems with the Python programming language! This book introduces some of the most famous scientific libraries for Python:

- * Python's math and statistics module to do calculations
- * Matplotlib to build 2D and 3D plots
- * NumPy to complete calculations on arrays
- * Jupiter Notebooks to share results with a team
- * SymPy to solve equations
- * PySerial to control an Arduino with Python
- * MicroPython to control an LED

This book is great for

budding engineers and data scientists. The text starts with the basics but finishes with topics rarely included in other engineering and data science programming books like SymPy and PySerial and MicroPython.

Connect Master: Economics provides a revolutionary, digital-first approach for the principles of economics course that is ideal for a variety of course formats--traditional, online, flipped, or hybrid. Authors Carlos Asarta and Roger Butters offer the same core content covered in mainstream textbooks, but in a way that breaks free from the constraints of a traditional textbook's structure and format--empowering instructors to take advantage of new approaches in teaching methodology to revitalize their course and improve student engagement and outcomes. Instead of lengthy, narrative-driven chapters, content in Connect Master is organized into over 250 topics, each anchored by an engaging 2-4 minute professionally-produced video and supported by a host of dynamic learning resources such as interactive graphs, worked examples, helpful hints, and robust assessment content. Topics are delivered to students through the most advanced adaptive learning technology on the market, using continual assessment and artificial intelligence to personalize the experience for each individual student. The result is an immersive experience that is flexible, innovative, and aligned to how today's students learn and obtain information.

This text provides a one-semester alternative to the traditional two-semester developmental algebra sequence for non-STEM (Science, Technology, Engineering, and Math) students. This new approach offers an accelerated pathway to college readiness through developmental math, preparing non-STEM students to move directly into liberal arts math or introductory statistics, while also preparing STEM students for intermediate algebra. An Accelerated Pathway through Developmental Math Math Lit, by Kathleen Almy and Heather Foes, offers an accelerated pathway through developmental math, allowing non-STEM students to move directly into liberal arts math or introductory statistics. Through its emphasis on contextual problem solving, the Almy/Foes text and its accompanying MyMathLab course help students gain the mathematical maturity necessary to be successful in a college-level non-STEM math class. Students work through carefully designed explorations, activities, and instruction to garner a greater conceptual understanding of the major themes of numeracy, proportional reasoning, algebraic reasoning, and functions. Enhancements in the Second Edition have increased the versatility and ease of use for students and instructors alike. Also Available with MyMathLa MyMathLab is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. Note: You are purchasing a standalone product; MyMathLab does not come packaged with this content. Students, if interested in purchasing this title with MyMathLab, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyMathLab, search for: 013430408X / 9780134304083 Math Lit plus MyMath Lab -- Access Card Package Package consists of: 0134433114 / 9780134433110 Math Lit 0321262522 / 9780321262523 MyMathLab -- Valuepack Access Card Students can use the URL and phone number below to help answer their questions: <http://247pearsoned.custhelp.com/app/home> 800-677-6337 If you want to attract and retain users in the booming mobile services market, you need a quick-loading app that won't churn through their data plans. The key is to compress multimedia and other data into smaller files, but finding the right method is tricky. This witty book helps you understand how data compression algorithms work—in theory and practice—so you can choose the best solution among all the available compression tools. With tables, diagrams, games, and as little math as possible, authors Colt

McAnlis and Aleks Haecky neatly explain the fundamentals. Learn how compressed files are better, cheaper, and faster to distribute and consume, and how they'll give you a competitive edge. Learn why compression has become crucial as data production continues to skyrocket Know your data, circumstances, and algorithm options when choosing compression tools Explore variable-length codes, statistical compression, arithmetic numerical coding, dictionary encodings, and context modeling Examine tradeoffs between file size and quality when choosing image compressors Learn ways to compress client- and server-generated data objects Meet the inventors and visionaries who created data compression algorithms

You Are Here: Art After the Internet is the first major publication to critically explore both the effects and affects that the internet has had on contemporary artistic practices. Responding to an era that has increasingly chosen to dub itself as "post-internet," this collective text explores the relationship of the internet to art practices from the early millennium to the present day. The book positions itself as a provocation on the current state of cultural production, relying on first-person accounts from artists, writers and curators as the primary source material. The book raises urgent questions about how we negotiate the formal, aesthetic and conceptual relationship of art and its effects after the ubiquitous rise of the internet. "You Are Here is the best anything I've read in ages ... and I'm jealous I'm not a contributor. I really loved it. It's a joy to see new green shoots of cultural tendencies emerging from barren soil." - Douglas Coupland

ALEKS is an artificial intelligence-based system for individualized math learning, available for Higher Education from McGraw-Hill over the World Wide Web. ALEKS delivers precise assessments of your math knowledge, guides you in the selection of appropriate new study material, and records your progress toward mastery of goals. ALEKS interacts with you much as a skilled human tutor would, moving between explanation and practice as needed, correcting and analyzing errors, defining terms and changing topics on request. By accurately assessing your knowledge, ALEKS focus clearly on what you are ready to learn next, helping you master the course content more quickly and easily.

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

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