

Microsoft Access 2016 Programming Pocket Primer

Become a C# programmer—and have fun doing it! Start writing software that solves real problems, even if you have absolutely no programming experience! This friendly, easy, full-color book puts you in total control of your own learning, empowering you to build unique and useful programs. Microsoft has completely reinvented the beginning programmer's tutorial, reflecting deep research into how today's beginners learn, and why other books fall short. *Begin to Code with C#* is packed with innovations, from its "Snaps" prebuilt operations to its "Make Something Happen" projects. Whether you're a total beginner or you've tried before, this guide will put the power, excitement, and fun of programming where it belongs: in your hands! Easy, friendly, and you're in control! Learn how to...

- Get the free tools you need to create modern programs
- Work with 150 sample programs that illustrate important concepts
- Use the sample programs as starting points for your own programs
- Explore exactly what happens when a program runs
- Approach program development with a professional perspective
- Use powerful productivity shortcuts built into Microsoft Visual Studio
- Master classes, interfaces, methods, and other essential concepts
- Organize programs so they're easy to construct and improve
- Capture and respond to user input
- Store and manipulate many types of real-world data
- Create interactive games that are fun to play
- Build modern interfaces your users will love
- Test and debug your code—and avoid problems in the first place

Regular expressions are an extremely powerful tool for manipulating text and data. They are now standard features in a wide range of languages and popular tools, including Perl, Python, Ruby, Java, VB.NET and C# (and any language using the .NET Framework), PHP, and MySQL. If you don't use regular expressions yet, you will discover in this book a whole new world of mastery over your data. If you already use them, you'll appreciate this book's unprecedented detail and breadth of coverage. If you think you know all you need to know about regular expressions, this book is a stunning eye-opener. As this book shows, a command of regular expressions is an invaluable skill. Regular expressions allow you to code complex and subtle text processing that you never imagined could be automated. Regular expressions can save you time and aggravation. They can be used to craft elegant solutions to a wide range of problems. Once you've mastered regular expressions, they'll become an invaluable part of your toolkit. You will wonder how you ever got by without them. Yet despite their wide availability, flexibility, and unparalleled power, regular expressions are frequently underutilized. Yet what is power in the hands of an expert can be fraught with peril for the unwary. *Mastering Regular Expressions* will help you navigate the minefield to becoming an expert and help you optimize your use of regular expressions. *Mastering Regular Expressions*, Third Edition, now includes a full chapter devoted to PHP and its powerful and expressive suite of regular expression functions, in addition to enhanced PHP coverage in the central "core" chapters. Furthermore, this edition has been updated throughout to reflect advances in other languages, including expanded in-depth coverage of Sun's `java.util.regex` package, which has emerged as the standard Java regex implementation. Topics include: A comparison of features among different versions of many languages and tools How the regular expression engine works Optimization (major savings available here!) Matching just what you want, but not what

you don't want Sections and chapters on individual languages Written in the lucid, entertaining tone that makes a complex, dry topic become crystal-clear to programmers, and sprinkled with solutions to complex real-world problems, *Mastering Regular Expressions, Third Edition* offers a wealth of information that you can put to immediate use. Reviews of this new edition and the second edition: "There isn't a better (or more useful) book available on regular expressions." --Zak Greant, Managing Director, eZ Systems "A real tour-de-force of a book which not only covers the mechanics of regexes in extraordinary detail but also talks about efficiency and the use of regexes in Perl, Java, and .NET...If you use regular expressions as part of your professional work (even if you already have a good book on whatever language you're programming in) I would strongly recommend this book to you." --Dr. Chris Brown, Linux Format "The author does an outstanding job leading the reader from regex novice to master. The book is extremely easy to read and chock full of useful and relevant examples...Regular expressions are valuable tools that every developer should have in their toolbox. *Mastering Regular Expressions* is the definitive guide to the subject, and an outstanding resource that belongs on every programmer's bookshelf. Ten out of Ten Horseshoes." --Jason Menard, Java Ranch

Updated for Access 2016 and based on the bestselling editions from previous versions, *Microsoft Access 2016 Programming by Example with VBA, XML and ASP* is a practical how-to book on Access programming, suitable for readers already proficient with the Access user interface (UI). If you are looking to automate Access routine tasks, this book will progressively introduce you to programming concepts via numerous illustrated hands-on exercises. More advanced topics are demonstrated via custom projects. Includes a comprehensive disc with source code, supplemental files, and color screen captures (Also available from the publisher for download by writing to info@merclearning.com). With concise and straightforward explanations, you learn how to write and test your programming code with the built-in Visual Basic Editor; understand and use common VBA programming structures such as conditions, loops, arrays, and collections; code a "message box"; reprogram characteristics of a database; and use various techniques to query and manipulate your Access .mdb and .accdb databases. The book shows you how you can build database solutions with Data Access Objects (DAO) and ActiveX Data Objects (ADO); define database objects and manage database security with SQL; enhance and alter the way users interact with database applications with Ribbon customizations and event programming in forms and reports. You also learn how to program Microsoft Access databases for Internet access with Active Server Pages (Classic ASP), HTML, and XML. Features: + Contains over thirty chapters loaded with illustrated hands-on exercises and projects that guide you through the VBA programming language. Each example tells you exactly where to enter code and how to test it and then run it. + Includes a comprehensive disc with source code, supplemental files, and color screen captures (Also available from the publisher for download by writing to info@merclearning.com). + Explains how to store data for further manipulation in variables, arrays, and collections while teaching you to write both simple and complex VBA programming routines and functions. + Teaches you how to programmatically create and access database tables and fields. + Shows you how to insert, update, and delete data via programming code using various data access techniques. + Gets you proficient creating and running simple and parameterized

queries against your Access databases. + Gets you comfortable using external data sources with Access (Excel, Word, flat files, XML, and SQL Server). + Teaches you how to take control of your forms and reports by writing programming code known as event procedures. + Shows you how to use various types of macros and templates. + Takes your programming skills to the Web by introducing you to dynamic XML and Classic ASP pages. On the disc: (Also available from the publisher for download by writing to info@merclearning.com). + All source code and supplemental files for the Hands-On exercises and custom projects + All images from the text (including 4-color screenshots)

Why program Excel? For solving complex calculations and presenting results, Excel is amazingly complete with every imaginable feature already in place. But programming Excel isn't about adding new features as much as it's about combining existing features to solve particular problems. With a few modifications, you can transform Excel into a task-specific piece of software that will quickly and precisely serve your needs. In other words, Excel is an ideal platform for probably millions of small spreadsheet-based software solutions. The best part is, you can program Excel with no additional tools. A variant of the Visual Basic programming language, VB for Applications (VBA) is built into Excel to facilitate its use as a platform. With VBA, you can create macros and templates, manipulate user interface features such as menus and toolbars, and work with custom user forms or dialog boxes. VBA is relatively easy to use, but if you've never programmed before, *Programming Excel with VBA and .NET* is a great way to learn a lot very quickly. If you're an experienced Excel user or a Visual Basic programmer, you'll pick up a lot of valuable new tricks. Developers looking forward to .NET development will also find discussion of how the Excel object model works with .NET tools, including Visual Studio Tools for Office (VSTO). This book teaches you how to use Excel VBA by explaining concepts clearly and concisely in plain English, and provides plenty of downloadable samples so you can learn by doing. You'll be exposed to a wide range of tasks most commonly performed with Excel, arranged into chapters according to subject, with those subjects corresponding to one or more Excel objects. With both the samples and important reference information for each object included right in the chapters, instead of tucked away in separate sections, *Programming Excel with VBA and .NET* covers the entire Excel object library. For those just starting out, it also lays down the basic rules common to all programming languages. With this single-source reference and how-to guide, you'll learn to use the complete range of Excel programming tasks to solve problems, no matter what your experience level. This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms.

Now readers can develop the complete Microsoft Access 2016 skills needed to be successful in college or the business world beyond with the emphasis on critical-thinking, problem-solving, and in-depth coverage found in *NEW PERSPECTIVES MICROSOFT OFFICE 365 & ACCESS 2016: COMPREHENSIVE*. Updated with all-new case-based modules, this thorough edition clearly applies the basic and more advanced skills readers are learning to real-world situations, making the concepts even

more relevant. A new Productivity Apps for School and Work module visually introduces Microsoft OneNote, Sway, Office Mix and Edge with fun, hands-on activities. NEW PERSPECTIVES MICROSOFT OFFICE 365 & ACCESS 2016: COMPREHENSIVE immediately demonstrates the importance of the extensive skills highlighted within each module. This edition focuses on strengthening learning outcomes and transferring the complete skills readers are mastering to other applications and disciplines for further success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

#1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology, engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

100 Top Tips – Microsoft Excel will help you boost your productivity and get more value from your spreadsheets with this powerful book of tips. It showcases: · Time-saving features (including data entry shortcuts) · Towerful functions for processing text and numbers · Insightful data analysis features, including pivot tables and what-if analysis. · How to use graphs · Debugging formulas · Printing clearly And much more! Whether you've been using Excel for years and never gone beyond the basics, or are just entering the world of spreadsheets, this book will quickly supercharge your skills. As you would expect from the In Easy Steps brand the book is written in an approachable style with step by step instructions provided for many of the tips, and full colour screenshots guiding you through the processes.

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. If you use Microsoft Access in your every day business life but haven't learned to fully exploit the program, now's your chance. Automating Microsoft Access with VBA is a thorough introduction to programming Microsoft Access using Visual Basic for Applications (VBA). With this book, you will gain a working knowledge of VBA and be able to customize your Microsoft Access databases. You will cover topics that include: Operators and functions Debugging and error handling Menu commands Forms and reports Jet databases DAO object model Save money by learning to use VBA to customize your databases instead of paying someone else to do it for you!

Learn the fundamentals of PowerShell to build reusable scripts and functions to automate

administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots. The debut cookbook from the popular New York Times website and mobile app NYT Cooking, featuring 100 vividly photographed no-recipe recipes to make weeknight cooking more inspired and delicious. You don't need a recipe. Really, you don't. Sam Sifton, founding editor of New York Times Cooking, makes improvisational cooking easier than you think. In this handy book of ideas, Sifton delivers more than one hundred no-recipe recipes—each gloriously photographed—to make with the ingredients you have on hand or could pick up on a quick trip to the store. You'll see how to make these meals as big or as small as you like, substituting ingredients as you go. Fried Egg Quesadillas. Pizza without a Crust. Weeknight Fried Rice. Pasta with Garbanzos. Roasted Shrimp Tacos. Chicken with Caramelized Onions and Croutons. Oven S'Mores. Welcome home to freestyle, relaxed cooking that is absolutely yours.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Introducing Microsoft Power BI enables you to evaluate when and how to use Power BI. Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features of this environment. Be sure to watch for the publication of Alberto Ferrari and Marco Russo's upcoming retail book, *Analyzing Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details:<http://aka.ms/analyzingdata/details>. Learn more about Power BI at

<https://powerbi.microsoft.com/>.

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If you've been using Access for a while, you're probably aware of its power and potential and itching to take advantage of both. Access 2007 VBA Programming For Dummies takes you beyond forms and reports and shows you how to use VBA to create killer Access databases and applications. This gentle introduction to VBA programming covers everything you need to get started, including: Basic programming skills and concepts Explanations of modules, procedures, objects, and arguments Access-unique programming activities, including SQL and recordsets How to use the Visual Basic editor Creating dialog boxes, lists, drop-down menus, and functions Integrating with other Office applications Ready-to-use VBA code examples to type in or copy and paste from the Web Completely revised to reflect all changes found in Microsoft Access 2007, Access 2007 VBA Programming For Dummies gives you access to Access like you've never had it before.

Troubleshoot query performance issues, identify anti-patterns in code, and write efficient T-SQL queries Key Features Discover T-SQL functionalities and services that help you interact with relational databases Understand the roles, tasks and responsibilities of a T-SQL developer Explore solutions for carrying out database querying tasks, database administration,

and troubleshooting **Book Description** Transact-SQL (T-SQL) is Microsoft's proprietary extension to the SQL language that is used with Microsoft SQL Server and Azure SQL Database. This book will be a useful guide to learning the art of writing efficient T-SQL code in modern SQL Server versions, as well as the Azure SQL Database. The book will get you started with query processing fundamentals to help you write powerful, performant T-SQL queries. You will then focus on query execution plans and learn how to leverage them for troubleshooting. In the later chapters, you will learn how to identify various T-SQL patterns and anti-patterns. This will help you analyze execution plans to gain insights into current performance, and determine whether or not a query is scalable. You will also learn to build diagnostic queries using dynamic management views (DMVs) and dynamic management functions (DMFs) to address various challenges in T-SQL execution. Next, you will study how to leverage the built-in tools of SQL Server to shorten the time taken to address query performance and scalability issues. In the concluding chapters, the book will guide you through implementing various features, such as Extended Events, Query Store, and Query Tuning Assistant using hands-on examples. By the end of this book, you will have the skills to determine query performance bottlenecks, avoid pitfalls, and discover the anti-patterns in use.

Foreword by Conor Cunningham, Partner Architect – SQL Server and Azure SQL – Microsoft

What you will learn

- Use Query Store to understand and easily change query performance
- Recognize and eliminate bottlenecks that lead to slow performance
- Deploy quick fixes and long-term solutions to improve query performance
- Implement best practices to minimize performance risk using T-SQL
- Achieve optimal performance by ensuring careful query and index design
- Use the latest performance optimization features in SQL Server 2017 and SQL Server 2019
- Protect query performance during upgrades to newer versions of SQL Server

Who this book is for This book is for database administrators, database developers, data analysts, data scientists, and T-SQL practitioners who want to get started with writing T-SQL code and troubleshooting query performance issues, through the help of practical examples. Previous knowledge of T-SQL querying is not required to get started on this book.

Maximize your Excel experience with VBA Excel 2019 Power Programming with VBA is fully updated to cover all the latest tools and tricks of Excel 2019. Encompassing an analysis of Excel application development and a complete introduction to Visual Basic for Applications (VBA), this comprehensive book presents all of the techniques you need to develop both large and small Excel applications. Over 800 pages of tips, tricks, and best practices shed light on key topics, such as the Excel interface, file formats, enhanced interactivity with other Office applications, and improved collaboration features. Understanding how to leverage VBA to improve your Excel programming skills can enhance the quality of deliverables that you produce—and can help you take your career to the next level. Explore fully updated content that offers comprehensive coverage through over 900 pages of tips, tricks, and techniques

Leverage templates and worksheets that put your new knowledge in action, and reinforce the skills introduced in the text Improve your capabilities regarding Excel programming with VBA, unlocking more of your potential in the office

Excel 2019 Power Programming with VBA is a fundamental resource for intermediate to advanced users who want to polish their skills regarding spreadsheet applications using VBA.

For many researchers, Python is a first-class tool mainly because of its libraries for storing, manipulating, and gaining insight from data. Several resources exist for individual pieces of this data science stack, but only with the Python Data Science Handbook do you get them all—IPython, NumPy, Pandas, Matplotlib, Scikit-Learn, and other related tools. Working scientists and data crunchers familiar with reading and writing Python code will find this comprehensive desk reference ideal for tackling day-to-day issues: manipulating, transforming, and cleaning data; visualizing different types of

data; and using data to build statistical or machine learning models. Quite simply, this is the must-have reference for scientific computing in Python. With this handbook, you'll learn how to use: IPython and Jupyter: provide computational environments for data scientists using Python NumPy: includes the ndarray for efficient storage and manipulation of dense data arrays in Python Pandas: features the DataFrame for efficient storage and manipulation of labeled/columnar data in Python Matplotlib: includes capabilities for a flexible range of data visualizations in Python Scikit-Learn: for efficient and clean Python implementations of the most important and established machine learning algorithms

Portable and precise, this pocket-sized guide delivers ready answers for the day-to-day administration of SQL Server. Zero in on core support and maintenance tasks using quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done—whether at your desk or in the field! Get fast facts to: Manage SQL Server services and clients Configure, manage, and tune servers Implement policy-based management Administer security and access Monitor server activity and tune performance Automate maintenance Perform backups and recovery Among neuromodulation procedures, electrical stimulation of peripheral nerves (PNS) is probably the most underappreciated modality. Although PNS is used for all kinds of medical conditions, ranging from chronic neuropathic pain and headache to epilepsy, depression, hypertension and heart failure, its importance is frequently overshadowed by spinal cord stimulation and deep brain stimulation. While the earlier version of this book dealt exclusively with various pain syndromes, this new volume covers the entire spectrum of PNS applications. Written by recognized authorities in their respective fields, the chapters of this title describe the use of PNS in the management of neurological, psychiatric, otorhinolaryngological, cardiovascular, pulmonary, colorectal and genitourinary disorders. To reflect the complexity of the regulatory process, the book ends with a special chapter dedicated to the current state of approval of different PNS devices. This book will be of great value to all those who deal with neuromodulation, including clinicians who select PNS candidates, surgeons and other specialists who implant PNS devices, and researchers and engineers who work on making the stimulators safer and more effective.

How to Learn Microsoft Access VBA Programming Quickly The Microsoft Access Database comes with its own programming language known as Visual Basic Applications. It provides a powerful way that allows automation and usually controls how an access database application operates. Even though it is easy to use, getting started can tend to be overwhelming or intimidating for beginners. To make things easy for you to learn and understand we have come up with a powerful short book with the title "How to Learn Microsoft Access VBA Programming Quickly." This incredible product is intended to help you feel at home in a programming environment while learning access VBA programming quickly. Of course, we know finding out how to get into VBA is the first problem faced by a beginner. But you need to worry less because our top-notch product is going to provide you the solution. It doesn't stop at this. Some other benefits are awaiting you as soon as you purchase this winning book. These benefits are: -You will be able to turn a database into a fully-developed user-friendly application -You will be able to identify and trap unexpected errors where and when they happen -Database will be more maintainable -It offers navigation index you can

use as reference guide -Each process provided are easy to understand, so you will spend less time reading the book and learning Access VBA programming Of course, we cannot argue the fact that our amazing product is not 100% detailed. Our primary focus is to ensure you master Access VBA fast and find a complex job easy. This product is a good value for the money, and you could save about US\$1000 which is more than enough to take care of some other important projects. If you postpone purchasing this powerful short book, the more you are at the risk of wasting precious time on complex tasks. So why wait when you have something that can offer you the saving grace! For you to find complex jobs easy, check the upper right side of the page and click on the buy button to obtain your copy of the book in just a single click ! Don't forget, the more you delay purchasing this fantastic short book, the more you waste time on complex tasks. Get your copy right away when you still can!

The objectives of this study are to describe experiences in price setting and how pricing has been used to attain better coverage, quality, financial protection, and health outcomes. It builds on newly commissioned case studies and lessons learned in calculating prices, negotiating with providers, and monitoring changes. Recognising that no single model is applicable to all settings, the study aimed to generate best practices and identify areas for future research, particularly in low- and middle-income settings. The report and the case studies were jointly developed by the OECD and the WHO Centre for Health Development in Kobe (Japan).

As part of the Pocket Primer series, this book was designed for someone like you who needs to master Excel programming fundamentals without spending too much time. All you need is a short book to get you started. It will show you only the things you need to know to feel at home with VBA. What you learn in this book on Excel programming will also apply to other programming, for example, Access. The book is divided into nine chapters that progressively introduce you to programming Microsoft Excel 2016.

Features: • Includes a companion disc with all of the hands-on files needed to complete the chapter projects and all the images from the text • Introduces you to programming Microsoft Excel 2016

Master database creation and management Access 2016 Bible is your, comprehensive reference to the world's most popular database management tool. With clear guidance toward everything from the basics to the advanced, this go-to reference helps you take advantage of everything Access 2016 has to offer. Whether you're new to Access or getting started with Access 2016, you'll find everything you need to know to create the database solution perfectly tailored to your needs, with expert guidance every step of the way. The companion website features all examples and databases used in the book, plus trial software and a special offer from Database Creations. Start from the beginning for a complete tutorial, or dip in and grab what you need when you need it. Access enables database novices and programmers to store, organize, view, analyze, and share data, as well as build powerful, integrable, custom database solutions but databases can be complex, and difficult to navigate. This book helps you harness the power of the database with a solid understanding of their purpose, construction, and application. Understand database objects and design systems objects Build forms, create tables, manipulate datasheets, and add data validation Use Visual Basic automation and XML Data Access Page design Exchange data with other Office applications, including Word, Excel, and more From database fundamentals and

terminology to XML and Web services, this book has everything you need to maximize Access 2016 and build the database you need.

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"Welcome to one of the greatest collaborations you could dream of in the world of C# books—and probably far beyond!" —From the Foreword by Mads Torgersen, C# Program Manager, Microsoft Essential C# 6.0 is a well-organized, no-fluff guide to the latest versions of C# for programmers at all levels of experience. Fully updated to reflect new C# 6.0 and .NET 4.6 features and patterns, it will help you write C# code that's simple, powerful, robust, secure, and maintainable. This book's authors are world-class C# experts: long-time Microsoft MVP and Regional Director Mark Michaelis and Eric Lippert, formerly principal developer on Microsoft's C# compiler team. Together, they cover the entire language, illustrating key constructs with succinct examples and offering a complete foundation for successful C# development. Essential C# 6.0 makes it easy to program with any version of C#, whether you're creating new code or maintaining existing systems. Separate indexes for C# versions 4, 5, and 6 help you quickly find version-specific answers with accompanying visual indicators that help you identify which language innovations will work when. This edition also includes a set of best-practice C# Coding Guidelines updated to leverage C# 6.0 constructs. Coverage includes Mastering C# data types, operators, control flow, methods, and parameters Using C# object-oriented constructs, including classes, inheritance, interfaces, and more—all with the significantly simplified syntax of C# 6.0 Working with well-formed value and reference types

Implementing reliable, effective exception handling Reducing code complexity with generics, delegates, lambda expressions, and events (including a simplified C# 6.0 syntax for triggering events) Learning dynamic programming with reflection and attributes Querying diverse data collections using LINQ with query expressions Creating custom collections that operate against business objects Using collection interfaces and standard query operators to access .NET collections Understanding the Common Language Infrastructure and C# in the context of .NET 4.6 Taking advantage of declarative programming, embedded metadata, reflection, and attributes Mastering multithreading and synchronization, including the new `async/await` paradigm Using `P/Invoke`, pointers, and direct memory manipulation to interoperate with other languages Understanding how C# programs relate to the underlying runtime For Qualified Instructors An instructor's guide, exercises, and a slide deck are available to support your courses.

Your all-access guide to all things Access 2016 If you don't know a relational database from an isolationist table—but still need to figure out how to organize and analyze your data—Access 2016 For Dummies is for you. Written in a friendly and accessible manner, it assumes no prior Access or database-building knowledge and walks you through the basics of creating tables to store your data, building forms that ease data entry, writing queries that pull real information from your data, and creating reports that back up your analysis. Add in a dash of humor and fun, and Access 2016 For Dummies is the only resource you'll need to go from data rookie to data pro! This expanded and updated edition of Access For Dummies covers all of the latest information and features to help data newcomers better understand Access' role in the world of data analysis and data science. Inside, you'll get a crash course on how databases work—and how to build one from the ground up. Plus, you'll find step-by-step guidance on how to structure data to make it useful, manipulate, edit, and import data into your database, write and execute queries to gain insight from your data, and report data in elegant ways. Speak the lingo of database builders and create databases that suit your needs Organize your data into tables and build forms that ease data entry Query your data to get answers right Create reports that tell the story of your data findings If you have little to no experience with creating and managing a database of any sort, Access 2016 For Dummies is the perfect starting point for learning the basics of building databases, simplifying data entry and reporting, and improving your overall data skills.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Take a look at this great application of VBA and learn to expand the capabilities of Access with simple programming. Author Charles E. Brown shows you step-by-step how to create your own code, work with Object-Oriented Programming, and more. Plus, discover and utilize key programming concepts that can be applied beyond VBA.

SQL for Microsoft Access (2nd Edition) provides a guide to getting the most out of Microsoft Access through the use of Structured Query Language. Step-by-step examples demonstrate how to use SQL script to create tables, add records to tables, and retrieve and manage records. Readers will also learn about calculated fields, Access projects, and the integration of SQL script in VBA and ASP code. Explore the relational database structure and the basics of SQL. Understand how table joins, unions, and subqueries are used to retrieve records from multiple tables simultaneously. Learn how to filter records and group data. Discover how to create parameter queries that prompt users for data. Test your knowledge and comprehension with the end-of-chapter quizzes and projects.

Master database creation and management Access 2019 Bible is your, comprehensive reference to the world's most popular database management tool. With clear guidance toward everything from the basics to the advanced, this go-to reference helps you take advantage of everything Access 2019 has to offer. Whether you're new to Access or getting started with

Access 2019, you'll find everything you need to know to create the database solution perfectly tailored to your needs, with expert guidance every step of the way. The companion website features all examples and databases used in the book, plus trial software and a special offer from Database Creations. Start from the beginning for a complete tutorial, or dip in and grab what you need when you need it. Access enables database novices and programmers to store, organize, view, analyze, and share data, as well as build powerful, integrable, custom database solutions — but databases can be complex, and difficult to navigate. This book helps you harness the power of the database with a solid understanding of their purpose, construction, and application. Understand database objects and design systems objects Build forms, create tables, manipulate datasheets, and add data validation Use Visual Basic automation and XML Data Access Page design Exchange data with other Office applications, including Word, Excel, and more From database fundamentals and terminology to XML and Web services, this book has everything you need to maximize Access 2019 and build the database you need.

As part of the "Pocket Primer" series, this book was designed for someone like you who needs to master Access programming fundamentals without spending too much time. All you need is a short book to get you started. It will show you only the things you need to know to feel at home with VBA. What you learn in this book on Access programming will also apply to, say, Excel programming. The book is divided into nine chapters that progressively introduce you to programming Microsoft Access 2016. Features: Includes a companion disc with all of the Hands-On files needed to complete the chapter projects and all the images from the text Introduces you to programming Microsoft Access 2016"

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutz's popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. It's an ideal way to begin, whether you're new to programming or a professional developer versed in other languages. Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3—the latest releases in the 3.X and 2.X lines—plus all other releases in common use today. You'll also learn some advanced language features that recently have become more common in Python code. Explore Python's major built-in object types such as numbers, lists, and dictionaries Create and process objects with Python statements, and learn Python's general syntax model Use functions to avoid code redundancy and package code for reuse Organize statements, functions, and other tools into larger components with modules Dive into classes: Python's object-oriented programming tool for structuring code Write large programs with Python's exception-handling model and development tools Learn advanced Python tools, including decorators, descriptors, metaclasses, and Unicode processing

As part of the Pocket Primer series, this book was designed for someone like you who needs to master Access programming fundamentals without spending too much time. All you need is a short book to get you started. It will show you only the things you need to know to feel at home with VBA. What you learn in this book on Access programming will also apply to, say, Excel programming. The book is divided into nine chapters that progressively introduce you to programming Microsoft Access 2016. Features: • Includes a companion disc with all of the hands-on files needed to complete the chapter projects and all the images from the text • Introduces you to programming Microsoft Access 2016

This pocket guide is the perfect on-the-job companion to Git, the distributed version

control system. It provides a compact, readable introduction to Git for new users, as well as a reference to common commands and procedures for those of you with Git experience. Written for Git version 1.8.2, this handy task-oriented guide is organized around the basic version control functions you need, such as making commits, fixing mistakes, merging, and searching history. Examine the state of your project at earlier points in time Learn the basics of creating and making changes to a repository Create branches so many people can work on a project simultaneously Merge branches and reconcile the changes among them Clone an existing repository and share changes with push/pull commands Examine and change your repository's commit history Access remote repositories, using different network protocols Get recipes for accomplishing a variety of common tasks

Updated for both Python 3.4 and 2.7, this convenient pocket guide is the perfect on-the-job quick reference. You'll find concise, need-to-know information on Python types and statements, special method names, built-in functions and exceptions, commonly used standard library modules, and other prominent Python tools. The handy index lets you pinpoint exactly what you need. Written by Mark Lutz—widely recognized as the world's leading Python trainer—Python Pocket Reference is an ideal companion to O'Reilly's classic Python tutorials, *Learning Python* and *Programming Python*, also written by Mark. This fifth edition covers: Built-in object types, including numbers, lists, dictionaries, and more Statements and syntax for creating and processing objects Functions and modules for structuring and reusing code Python's object-oriented programming tools Built-in functions, exceptions, and attributes Special operator overloading methods Widely used standard library modules and extensions Command-line options and development tools Python idioms and hints The Python SQL Database API

Designed to provide non-developers with a hands-on guide to both Excel VBA and XML, this book gives users a wide range of VBA coverage including how to write subroutines and functions from scratch, manipulate files and folders with VBA statements, manage data with arrays and collections, and much more. Includes CD. O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages. Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it. The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system. Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.

Every other day we hear about new ways to put deep learning to good use: improved

medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands, providing a comfortable Python experience that gets you started quickly and then grows with you as you—and your deep learning skills—become more sophisticated. Deep Learning with PyTorch will make that journey engaging and fun. Summary Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands, providing a comfortable Python experience that gets you started quickly and then grows with you as you—and your deep learning skills—become more sophisticated. Deep Learning with PyTorch will make that journey engaging and fun. Foreword by Soumith Chintala, Cocreator of PyTorch. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Although many deep learning tools use Python, the PyTorch library is truly Pythonic. Instantly familiar to anyone who knows PyData tools like NumPy and scikit-learn, PyTorch simplifies deep learning without sacrificing advanced features. It's excellent for building quick models, and it scales smoothly from laptop to enterprise. Because companies like Apple, Facebook, and JPMorgan Chase rely on PyTorch, it's a great skill to have as you expand your career options. It's easy to get started with PyTorch. It minimizes cognitive overhead without sacrificing the access to advanced features, meaning you can focus on what matters the most - building and training the latest and greatest deep learning models and contribute to making a dent in the world. PyTorch is also a snap to scale and extend, and it partners well with other Python tooling. PyTorch has been adopted by hundreds of deep learning practitioners and several first-class players like FAIR, OpenAI, FastAI and Purdue. About the book Deep Learning with PyTorch teaches you to create neural networks and deep learning systems with PyTorch. This practical book quickly gets you to work building a real-world example from scratch: a tumor image classifier. Along the way, it covers best practices for the entire DL pipeline, including the PyTorch Tensor API, loading data in Python, monitoring training, and visualizing results. After covering the basics, the book will take you on a journey through larger projects. The centerpiece of the book is a neural network designed for cancer detection. You'll discover ways for training networks with limited inputs and start processing data to get some results. You'll sift through the unreliable initial results and focus on how to diagnose and fix the problems in your neural network. Finally, you'll look at ways to improve your results by training with augmented data, make improvements to the model architecture, and perform other fine tuning. What's inside Training deep neural networks Implementing modules and loss functions Utilizing pretrained models from PyTorch Hub Exploring code samples in Jupyter Notebooks About the reader For Python programmers with an interest in machine learning. About the author Eli Stevens had roles from software engineer to CTO, and is currently working on machine learning in the self-driving-car industry. Luca Antiga is cofounder of an AI engineering company and an AI tech startup, as well as a former PyTorch contributor. Thomas Viehmann is a PyTorch core developer and machine learning trainer and consultant. consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART 1 - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a

neural network to fit the data 7 Telling birds from airplanes: Learning from images 8 Using convolutions to generalize PART 2 - LEARNING FROM IMAGES IN THE REAL WORLD: EARLY DETECTION OF LUNG CANCER 9 Using PyTorch to fight cancer 10 Combining data sources into a unified dataset 11 Training a classification model to detect suspected tumors 12 Improving training with metrics and augmentation 13 Using segmentation to find suspected nodules 14 End-to-end nodule analysis, and where to go next PART 3 - DEPLOYMENT 15 Deploying to production

The book serves as a first introduction to computer programming of scientific applications, using the high-level Python language. The exposition is example and problem-oriented, where the applications are taken from mathematics, numerical calculus, statistics, physics, biology and finance. The book teaches "Matlab-style" and procedural programming as well as object-oriented programming. High school mathematics is a required background and it is advantageous to study classical and numerical one-variable calculus in parallel with reading this book. Besides learning how to program computers, the reader will also learn how to solve mathematical problems, arising in various branches of science and engineering, with the aid of numerical methods and programming. By blending programming, mathematics and scientific applications, the book lays a solid foundation for practicing computational science.

From the reviews: Langtangen ... does an excellent job of introducing programming as a set of skills in problem solving. He guides the reader into thinking properly about producing program logic and data structures for modeling real-world problems using objects and functions and embracing the object-oriented paradigm. ... Summing Up: Highly recommended. F. H. Wild III, Choice, Vol. 47 (8), April 2010 Those of us who have learned scientific programming in Python 'on the streets' could be a little jealous of students who have the opportunity to take a course out of Langtangen's Primer."

John D. Cook, The Mathematical Association of America, September 2011 This book goes through Python in particular, and programming in general, via tasks that scientists will likely perform. It contains valuable information for students new to scientific computing and would be the perfect bridge between an introduction to programming and an advanced course on numerical methods or computational science. Alex Small, IEEE, CiSE Vol. 14 (2), March /April 2012 "This fourth edition is a wonderful, inclusive textbook that covers pretty much everything one needs to know to go from zero to fairly sophisticated scientific programming in Python..." Joan Horvath, Computing Reviews, March 2015

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