

Murachs C 2015

PHP and MySQL are two of today's most popular, open-source tools for server-side programming. That means there's a continuing demand for web developers who know how to use PHP and MySQL at the professional level. And with this book, you can become one of them! In fact, in just the first 6 chapters, you will create a database-driven website that implements the MVC pattern, the way the best professionals do. Then, the rest of the book lets you build on that base to develop a full set of professional skills.

Learn to master all the skills using ASP.NET's powerful features and to handle databases like a pro. The first chapters get off to a fast start with instruction on building multi-page applications. This book is designed for C# developers who want to learn how to develop professional web applications with Microsoft's ASP.NET 2.0.

This book gets you off to a fast start by showing you how to use Visual Studio 2015, C# 6.0, and the .NET 4.6 classes to develop Windows Forms applications. Next, it shows you the best techniques for developing object-oriented applications. Then, it shows you how to handle data a must in business development using data sources, ADO.NET code, and the Entity Framework for database data and LINQ for data structures like arrays and collections. Along the way, it gives you the core C# and Visual Studio skills that you need to develop any C# application whether for Windows, the web, or mobile devices. In short, No other core C# book teaches you so much, so fast, or so thoroughly.

The #1 choice of professional COBOL programmers because it shows how to design, code, test, and maintain structured COBOL programs on the IBM mainframes (or enterprise systems), this book also presents the IBM products that every mainframe programmer needs to know including TSO, ISPF, OS/390 JCL, VSAM Access Method Services, CICS, and DB2.

If you want to learn how to program but dont know where to start, this is the right book and the right language for you. From the first page, our self-paced approach will help you build competence and confidence in your programming skills. And Python is the best language ever for learning how to program because of its simplicity and breadthtwo features that are hard to find in a single language. But this isnt just a book for beginners! Our self-paced approach also works for experienced programmers, helping you learn Python faster and better than youve ever learned a language before. By the time youre through, you will have mastered the key Python skills that are needed on the job, including those for object-oriented, database, and GUI programming. To make all of this possible, section 1 presents an 8-chapter course that will get anyone off to a great start with Python.

Section 2 builds on that base by presenting the other essential skills that every Python programmer should have. Section 3 shows you how to develop object-oriented programs, a critical skillset in todays world. And section 4 shows you how to apply all of the skills that youve already learned as you build database and GUI programs for the real world.

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

This how-to guide to MySQL is perfect for beginning programmers or experienced developers. It shows how to code all the essential SQL statements for working with a MySQL database. It shows how to design a database, including how to use MySQL Workbench to create an EER model. It shows how to take advantage of relatively new MySQL features such as foreign keys, transactions, stored procedures, stored functions, and triggers. And it presents a starting set of skills for a database administrator (DBA). A must-have for anyone who works with MySQL.

If you're an application developer, or you're training to be one, this latest edition of Murach's classic SQL Server book is made for you. To start, it presents the SQL statements that you need to retrieve and update the data in a database. These are the SQL statements that you'll use every day. Then, it shows you how to design a database, how to implement that design, and how to work with database features like views, scripts, stored procedures, functions, triggers, transactions, security, XML data, and BLOB data with FILESTREAM storage. The result? You'll be able to create database applications that are thoroughly professional. You'll be familiar with the DBA-related issues that let you work far more effectively than most of your colleagues. And you'll have a handy reference at your side to answer questions and handle new challenges as they come up.

This book is a practical guide to using Visual Studio 2013 that will help you become familiar with the improvements made over previous versions. Each recipe provides a hands-on approach to the new features with step-by-step instructions on how to increase your productivity. If you are a developer excited about the new features introduced in Visual Studio 2013, then no matter what your programming language of choice is, Visual Studio 2013 Cookbook is for you. You should have a good knowledge of working with previous versions of Visual Studio to enjoy the recipes in this book. This book provides practical examples to help you use Visual Studio 2013 more effectively.

Prelude to Programming is appropriate for Pre-Programming and Introductory Programming courses in community colleges, 4-year colleges, and universities. No prior computer or programming experience is necessary although readers are expected to be familiar with college entry-level mathematics. Prelude to Programming provides beginning students

with a language-independent framework for learning core programming concepts and effective design techniques. This approach gives students the foundation they need to understand the logic behind program design and to establish effective programming skills. The Sixth Edition offers students a lively and accessible presentation as they learn core programming concepts — including data types, control structures, data files and arrays, and program design techniques such as top-down modular design and proper program documentation and style. Problem-solving skills are developed when students learn how to use basic programming tools and algorithms, which include data validation, defensive programming, calculating sums and averages, and searching and sorting lists. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. It provides: A Language-Independent, Flexible Presentation: The text has been designed so that instructors can use it for students at various levels. Features that Help Solidify Concepts: Examples, exercises, and programming challenges help students understand how concepts in the text apply to real-life programs. Real Programming Experience with RAPTOR: Students gain first-hand programming experience through the optional use of RAPTOR, a free flowchart-based programming environment. Support Learning: Resources are available to expand on the topics presented in the text.

A guide to the C# programming language covers such topics as object-oriented programming, creating database applications, and Windows 8 programming.

Learn to develop Windows applications, build database applications, master new 2005 features like code snippets, Auto Correction, new controls, class diagrams, generics, partial classes, and ClickOnce deployment. Includes 14 real-world applications to illustrate best practices.

Learn Visual Basic step by step and start programming right away Beginning Visual Basic 2015 is the ideal guide for new programmers, especially those learning their first language. This new edition has been updated to align with Visual Studio 2015, and also refocused to concentrate on key beginner topics. Precise, step-by-step instructions walk you through important tasks, and clear explanations targeted to beginners will have you writing your first Visual Basic application quickly. You'll start from the absolute beginning, assuming no prior programming experience, and then gradually build your skills to write Visual Basic applications for Windows and the Web. Coverage includes objects, class libraries, graphics, databases, and much more, with explicit instructions on using ASP.NET, SQL Server, ADO.NET, and XML. Visual Studio is the usual environment for Visual Basic programming, and the latest upgrade has made Visual Basic more feature compatible with C# to allow programmers to move fluidly between the two languages. Don't know C#? Don't worry! This book starts from the very beginning of Visual Basic programming to help you build your skills from the ground-up. Understand flow control and data structure Debug Windows applications, dialog boxes, and menus Master objects and object-oriented techniques Access databases, program graphics, and program for the Web Over three million programmers use Visual Basic, and many of them learned it as their first language. It's beginner-friendly, versatile, and visually oriented, making it an ideal introduction to the programming mindset, workflow, and hard skills. Beginning Visual Basic 2015 gets you started on the right foot, with clear, patient instruction and plenty of hands-on practice.

Provides information on developing Windows applications, building database applications, and the features and functions of Visual Basic 2012.

Provides information on using servlets and JavaServer Pages to create Web applications that use the MVC pattern.

Data science libraries, frameworks, modules, and toolkits are great for doing data science, but they're also a good way to dive into the discipline without actually understanding data science. In this book, you'll learn how many of the most fundamental data science tools and algorithms work by implementing them from scratch. If you have an aptitude for mathematics and some programming skills, author Joel Grus will help you get comfortable with the math and statistics at the core of data science, and with hacking skills you need to get started as a data scientist. Today's messy glut of data holds answers to questions no one's even thought to ask. This book provides you with the know-how to dig those answers out. Get a crash course in Python Learn the basics of linear algebra, statistics, and probability—and understand how and when they're used in data science Collect, explore, clean, munge, and manipulate data Dive into the fundamentals of machine learning Implement models such as k-nearest Neighbors, Naive Bayes, linear and logistic regression, decision trees, neural networks, and clustering Explore recommender systems, natural language processing, network analysis, MapReduce, and databases

This is a self-paced, professional book that shows how to use Visual Studio 2010, C# 2010, and the .NET 4 classes to develop Windows Forms applications. It is an object-oriented book that shows how to use business classes, inheritance, and interfaces the way they are used in the real world. Its a database programming book that shows how to prototype professional database applications using RAD features like data sources, as well as how to start using ADO.NET to work directly with databases for more control. And it is a book that shows you how to take advantage of 2010 features like optional parameters, named arguments, and code stubs, along with earlier features like object initialisers and LINQ. When you are done, you will be able to develop three-tiered, object-oriented applications the way the best professionals do. That is why we say: No other book teaches you so much, so fast, or so thoroughly.

The second edition of the best-selling Python book in the world (over 1 million copies sold!). A fast-paced, no-nonsense guide to programming in Python. Updated and thoroughly revised to reflect the latest in Python code and practices. Python Crash Course is the world's best-selling guide to the Python programming language. This fast-paced, thorough introduction to programming with Python will have you writing programs, solving problems, and making things that work in no time. In the first half of the book, you'll learn basic programming concepts, such as variables, lists, classes, and loops, and practice writing clean code with exercises for each topic. You'll also learn how to make your programs interactive and test your code safely before adding it to a project. In the second half, you'll put your new knowledge into practice with three substantial projects: a Space Invaders-inspired arcade game, a set of data visualizations with Python's handy libraries, and a simple web app you can deploy online. As you work through the book, you'll learn how to:

- Use powerful Python libraries and tools, including Pygame, Matplotlib, Plotly, and Django
- Make 2D games that respond to keypresses and mouse clicks, and that increase in difficulty
- Use data to generate interactive visualizations
- Create and customize web apps and deploy them safely online
- Deal with mistakes and errors so you can solve your own programming problems

If you've been thinking about digging into programming, Python Crash Course will get you writing real programs fast. Why wait any longer? Start your engines and code!

This book teaches anyone with a basic understanding of Java how to develop Android apps at a professional level, using Android Studio. To start, it shows how to use Android Studio to code, test, and debug a Tip Calculator app for a smartphone or tablet. Then, it expands upon this app to show must-have Android skills such as working with layouts, widgets, events, themes, styles, menus, preferences, and fragments. Next, this book presents two more apps that illustrate Android skills you'll use every day, such as working with threads, files, adapters, intents, services, notifications, broadcast receivers, SQLite databases, content providers, and app widgets. Finally, this book presents an app that uses the Google Maps API and shows you how to submit your finished apps to the Google Play store. The real-world apps let you see how the skills you're learning work together, and they illustrate how and when you'd use each skill.

This is the 4th edition of Murach's classic Java book that's trained thousands of developers in the last 10 years. Now fully updated to take advantage of the NetBeans IDE, this book helps any programmer learn Java faster and better than ever before. It's the one Java book that presents object-oriented features like inheritance, interfaces, and polymorphism in a way that's both understandable and useful in the real world. It moves at the professional pace that's expected on the job. It is full of practical coding examples that enhance training and that work as time-saving models for new applications. And it's all done in the distinctive Murach style that has been training professional programmers for more than 37 years.

Provides information on ADO.NET programming, covering such topics as working with data sources, using the Dataset Designer, building Web apps, and developing 3-layer applications.

Presents an instructional guide to SQL which uses humor and simple images to cover such topics as the structure of relational databases, simple and complex queries, creating multiple tables, and protecting important table data.

From this book you'll learn essential and advanced servlet and JSP skills, essential database skills. Last part of book presents an e-commerce web site (a music store) that puts these skills into context.

Introduce your students to the important new features that the latest version of Microsoft Office has to offer with the focused approach found in Cable/Freund/Monk/Sebok/Starks/Vermaat's MICROSOFT Office 365 & OFFICE 2019 INTRODUCTORY. Part of the acclaimed Shelly Cashman Series, this edition continues the series' strong history of innovation with an enhanced learning approach designed to engage students, improve retention and prepare learners for success with Microsoft Office. A trademark step-by-step, screen-by-screen approach encourages students to expand their understanding of the software through experimentation, critical thought and personalization while also engaging them in real-world scenarios to reinforce critical skills to make them successful in their educational and professional careers. In addition, MindTap and updated SAM (Skills Assessment Manager) online resources are available to guide additional study and ensure successful results. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Effective techniques and experienced insights to maximize your C# 6 and 7 programming skills Key Features Written by C# legend and top StackOverflow contributor Jon Skeet Unlock the new features of C# 6 and 7 Insights on the future of the C# language Master asynchronous functions, interpolated strings, tuples, and more Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. "An excellent overview of C# with helpful and realistic examples that make learning the newest features of C# easy." —Meredith Godar About The Book C# is the foundation of .NET development. New features added in C# 6 and 7 make it easier to take on big data applications, cloud-centric web development, and cross-platform software using .NET Core. Packed with deep insight from C# guru Jon Skeet, this book takes you deep into concepts and features other C# books ignore. C# in Depth, Fourth Edition is an authoritative and engaging guide that reveals the full potential of the language, including the new features of C# 6 and 7. It combines deep dives into the C# language with practical techniques for enterprise development, web applications, and systems programming. As you absorb the wisdom and techniques in this book, you'll write better code, and become an exceptional troubleshooter and problem solver. What You Will Learn Comprehensive guidance on the new features of C# 6 and 7 Important legacies and greatest hits of C# 2–5 Expression-bodied members Extended pass-by-reference functionality Writing asynchronous C# code String interpolation Composition with tuples Decomposition and pattern matching This Book Is Written For For intermediate C# developers. About The Author Jon Skeet is a senior software engineer at Google. He studied mathematics and computer science at Cambridge, is a recognized authority in Java and C#, and maintains the position of top contributor to Stack Overflow. Table of Contents 1. Survival of the sharpest 2. C# 2 3. C# 3: LINQ and everything that comes with it 4. C# 4: Improving interoperability 5. Writing asynchronous code 6. Async implementation 7. C# 5 bonus features 8. Super-sleek properties and expression-bodied members 9. Stringy features 10. A smörgåsbord of features for concise code 11. Composition using tuples 12. Deconstruction and pattern matching 13. Improving efficiency with more pass by reference 14. Concise code in C# 7 15. C# 8 and beyond PART 1 C# IN CONTEXT PART 2 C# 2–5 PART 3 C# 6 PART 4 C# 7 AND BEYOND

Today, JavaScript is used in 89.9% of all websites, including the most heavily-trafficked sites like Google, Facebook, YouTube, and Amazon. That is why every web developer should know how to use JavaScript. The problem is that JavaScript is surprisingly difficult to learn, not only for programming novices but also for experienced programmers. But now, Murach's JavaScript makes it easier than ever to become an accomplished JavaScript programmer. To make that possible, section 1 of this book presents a six-chapter course in JavaScript that gets you off to a great start. This section works for programming novices as well as experienced programmers because it lets you set your own pace. When you finish this section, you will be able to write, test and debug JavaScript applications of your own. Then, section 2 builds on that base by presenting the additional skills that every JavaScript programmer must have. That includes working with arrays and web storage, creating and using your own object types in object-oriented applications, using regular expressions for data validation, and much more. For many developers, sections 1 and 2 will be all that they need to know. But for those who want to move on to the expert level, section 3 presents the skills that will get you there. That includes skills like how to bulletproof your applications by using closures, namespaces, and modules; how to make your functions more useful by using callbacks; and how to use JSON to transmit and store data. Then, the last chapter in this section introduces you to jQuery and shows you how it can make your JavaScript code even better.

Murach's C# 2015

This book gets you off to a fast start by showing develop real world Visual Basic 2015 applications.

Now in its 4th edition, this book shows C# developers how to use Visual Studio and ADO.NET to develop database applications the way the best professionals do. You will learn how to: quickly create Windows and web applications by dragging-and-dropping data controls in Visual Studio 2010; Code your own presentation, business, and database classes with ADO.NET 4 to build 3-layer applications . . . the route the professionals take for flexibility and control; Display and manipulate data in web applications by using ASP.NET data controls designed specifically for that purpose, like GridView and DetailsView work with XML-specific features of ADO.NET to read, write, and manipulate XML data in your applications; Use Visual Studio's Report Designer and ReportViewer control to create and display reports in both Windows and web applications; Use LINQ to SQL instead of standard SQL so you can query databases using C# constructs; Create Entity Data Models so you can use LINQ to Entities to work with business objects, like invoices, while the Entity Framework handles the database details. Practice exercises at the end of every chapter and complete database applications throughout help you master every skill along the way. And Murach's distinctive "paired-pages" format . . . where each skill is presented with examples and advice in a single 2-page spread . . . is great for both targeted learning and reference.

Effectively balance today's most important programming principles and concepts with the latest insights into C# using Doyle's C# PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, 4E. This insightful introductory book highlights the latest Visual Studio 2012 and C# 4.0 software with a unique, principles-based approach to give readers a deep understanding of programming. Respected author Barbara Doyle admirably balances principles and concepts, offering just the right amount of detail to create a strong foundation for beginning students. A straightforward approach and understandable vocabulary make it easy for readers to grasp new programming concepts without distraction. The book introduces a variety of fundamental programming concepts, from data types and expressions to arrays and collections, all using the popular C# language. New programming exercises and new numbered examples throughout this edition reflect the latest updates in Visual Studio 2012, while learning objectives, case studies and Coding Standards summaries in each chapter ensure mastery. While this edition assumes no prior programming knowledge, coverage extends beyond traditional programming books to cover new advanced topics, such as portable class libraries to create applications for Windows Phone and other platforms. With entire chapters devoted to working with databases and Web-based applications, you'll find everything you need for a solid understanding of C# and programming fundamentals for ongoing success.

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This compiler design and construction text introduces students to the concepts and issues of compiler design, and features a comprehensive, hands-on case study project for constructing an actual, working compiler

"Until now, my websites looked great but have been coded with what seems like 'duct-tape and bubble-gum' methods, just for appearances and not for professionalism or compliance. This book taught me all that is possible with HTML and CSS coding]]. What a game changer!" That's what one web designer posted about a previous edition of Murach's HTML5 and CSS3. Now, this 4th Edition updates and improves all the HTML and CSS content in the book...and it adds coverage of Flexible Box and Grid Layout, two new CSS3 ways to implement page layouts. So whether you're a web designer, a JavaScript programmer, a server-side programmer, or a rookie, this book delivers all the HTML and CSS skills that you need on the job. This book begins with an 8-chapter hands-on course that teaches you HTML and CSS from scratch, including the latest HTML5 and CSS3 features. This short course ends with a chapter that teaches you how to use fluid design and media queries to implement Responsive Web Design so your pages will look good and work right on any screen, from phone to tablet to desktop. After that, the unique design of this book lets you go on to any other chapter to learn new skills whenever you need them. For example, chapters 9 and 10 show you how to use Flexible Box and Grid Layout. Chapter 13 shows you how to work with forms and data validation. Chapter 14 shows you how to enhance a site with video clips. Chapter 16 shows you how to use CSS3 transitions, transforms, and animations. Chapters 17 and 18 show you how to design and deploy a website. Chapters 19 and 20 introduce other professional skills like how to use JavaScript and jQuery and how to use development tools like Bootstrap, SASS, and Emmet. And after you've learned all the skills that you need, this book becomes the best on-the-job reference you've ever used.

This C# book has been a favorite of developers ever since the 1st edition came out in 2004. So you can be sure that this latest edition will deliver the professional skills you're looking for today. In fact, it will teach you the C# essentials more easily than ever, as it shows you how to take advantage of the most recent releases of C#, .NET, and Visual Studio. Its a self-paced book that shows you how to use Visual Studio, C#, and the .NET classes to develop Windows Forms applications whether you're new to programming or not. Its an object-oriented book that shows you how to use business classes, inheritance, and interfaces the way they're used in the real world. Its a database programming book that shows you how to create professional database applications using Entity Framework and LINQ or ADO.NET. When you're done, you'll be able to develop 3-tiered, object-oriented, Windows Forms applications the way the best professionals do. And you'll have the essential skills that you need to develop any C# application whether for the desktop, the web, or mobile devices.

If you know the basics of C# and HTML/CSS, you're ready to learn how to build ASP.NET Core MVC web apps the way the professionals do. This book covers all the essentials: the MVC pattern, Bootstrap for responsive design, routing, Razor views, model binding, data validation, EF (Entity Framework) Core for database handling, dependency injection, xUnit and Moq for unit testing, Identity for authentication, and more. It gets you going right away with a subset of basic skills, then builds on those skills so you'll soon be developing real-world web apps. Along the way, you get dozens of practical coding examples that help you apply what you've just learned and show how all the parts work together. And when you're done, this book does double duty as the best on-the-job reference that money can buy.

If you know the basics of C#, you're ready to learn to develop server-side web applications with ASP.NET Web Forms!!and that's where this book comes in: ~~çç~~Section 1 is a quick-start course in creating your

first ASP.NET Web Forms applications using Visual Studio, with coverage of what HTML5/CSS3 and Bootstrap are doing on the client side! a course that works both for beginners and for experienced web developers who are new to ASP.NET

Section 2 gives you the skills you need for every web application! like how to use the server controls, validate user entries, manage state, use master pages, make ASP.NET work with Bootstrap for responsive layouts, and use friendly URLs

Section 3 presents the skills you need for developing database-driven web applications at a professional level! including how to use SQL data sources, object data sources, and model binding and the Entity Framework with ASP.NET data controls like GridView, DetailsView, FormView, and ListView

Section 4 covers skills that enhance your professionalism! like how to develop secure web pages, authenticate users with ASP.NET Identity, send email, control the use of the Back button, and deploy finished applications

Section 5 takes you to the next level by showing you how to use ASP.NET Ajax, how to develop WCF and Web API services, and how ASP.NET MVC programming differs from Web Forms programming To make it easier for you to master ASP.NET, you get complete web applications! including the web forms, the aspx code, and the C# code! that show you how each feature works in context. (You can download these for free from the Murach website.) You get chapter exercises that let you practice your new skills. And you get Murach's distinctive "paired-pages" format that developers like because it saves both training and reference time.

If you're an application developer, or you're training to be one, this 2016 edition of Murach's classic SQL Server book is made for you. To start, it presents the SQL statements that you need to retrieve and update the data in a database. These are the SQL statements that you'll use every day. Then, it shows you how to design a database, how to implement that design, and how to work with database features like views, scripts, stored procedures, functions, triggers, transactions, security, XML data, BLOB data with FILESTREAM storage, and the CLR integration feature. The result? You'll be able to create database applications that are thoroughly professional. You'll be familiar with the DBA-related issues that let you work far more effectively than most of your colleagues. And you'll have a handy reference at your side to answer questions and handle new challenges as they come up.

This is the latest edition of the book that application developers worldwide have used to master MySQL] now updated for MySQL 8 and beyond. As you would expect, this book shows how to code all the essential SQL statements for working with a MySQL database. You'll use these statements every day to have MySQL do more of your work for you. But beyond that, it shows how to work with classic MySQL features that take you to new level, such as summary queries, subqueries, functions, views, transactions, stored procedures, triggers, and security. It shows how to take advantage of newer MySQL features such as window functions, Common Table Expressions (CTE), and roles for database security. It shows how to design a database, including how to use MySQL Workbench to create and implement the design. It even presents a starting set of skills for a database administrator (DBA) if you're interested in that career path or if you need to be your own DBA. In short, it's a must-have guide for anyone who works with MySQL, beginning and experienced developers alike.

Want to learn Java? This beginning book brings an exciting, new approach to Java instruction that eases the learning curve and uses the NetBeans IDE to make you productive as quickly as possible. In fact, in just 22 chapters, you will grow from beginner to entry-level professional! Along the way, this book presents all of the critical skills that you need to move on to web or mobile development with Java. It presents object-oriented features like inheritance, interfaces, and polymorphism in a way that is both understandable and useful in the real world. It covers the most important features introduced in Java 8 such as lambda expressions and the new date / time API. It provides realistic sample applications that put these skills into context. It provides exercises that you can use to gain valuable hands-on experience. And it is all done in the distinctive Murach style that has been training professional programmers for over 40 years.

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