Xml How To Program

A complete update covering the many advances to the XML language The XML language has become the standard for writing documents on the Internet and is constantly improving and evolving. This new edition covers all the many new XML-based technologies that have appeared since the previous edition four years ago, providing you with an up-to-date introductory guide and reference. Packed with real-world code examples, best practices, and in-depth coverage of the most important and relevant topics, this authoritative resource explores both the advantages and disadvantages of XML and addresses the most current standards and uses of XML. Features the most updated content built on audience feedback from the previous edition as well as the vast knowledge from XML developer teams Boasts new chapters on RELAX NG and Schematron, XML functionality in databases, LINQ to XML, Jabber and XMLPP, XHTML, HTML5, and more Offers in-depth coverage on extracting data from XML and updated material on Web Services Beginning XML, Fifth Edition delivers the most important aspects of XML in regard to what it is, how it works, what technologies surround it, and how it can best be used in a variety of situations. Compares HTML, XHTML, and XML, and includes examples of how XML is being used to help readers appreciate the power of XML. This text also provides a coverage of the rules and standards for XML, which is very critical in programming XML. It is designed to help those who have a background in HTML make the transition to XML.

XML is designed to improve the functionality of the Web by providing flexible and adaptable information indentification. This book offers an introduction to XML for those who favour home study and self teaching and does not have expensive computing facilities to learn on.

An accessible and step-by-step approach to using VB.NET and XML enterprise application development XML is a tool for interacting with, describing, and transporting data between machines across networks and across the Internet-perfectly suited for Microsoft's .NET plan to fully integrate the Internet into distributed computing. By using real-world and fully-functional examples, this book quickly brings Visual Basic programmers and developers up to speed on XML for enterprise application development. The authors include an overview of XML and how it works with VB.NET, then explain how to use it to manipulate data in distributed environments. Companion Web site at www.vb-helper.com features the complete working code for all the examples built in the book. Microsoft Technologies .NET Platform: The next big overhaul to Microsoft's technologies that will bring enterprise distributed computing to the next level by fully integrating the Internet into the development platform. This will allow interaction between any machine, on any platform, and on any device. Visual Basic.NET: The update to this popular visual programming language will offer greater Web functionality, more sophisticated object-oriented language features, links to Microsoft's new common runtime, and a new interface. ASP.NET: A programming framework (formerly known as Active Server Pages) for building powerful Web-based enterprise applications; can be programmed using VB.NET or C#. C#: Microsoft's new truly object-oriented programming language that builds on the strengths of C++ and the ease of Visual Basic; promises to give Sun's Java a run for its money. Explains XML Web programming for those familiar with ASP and VB.

Xml: How To Program (With Cd)Pearson Education India

The step-by-step guide to creating program generators with Java and XML. Breakthrough Java/XML techniques for creating program generators, including detailed examples and real-world guidelines Domain engineering techniques for improving software development productivity CD-ROM with examples, working code, and relevant XML specifications "XML isn't just for data any more. Now you can use XML to describe the programs you need, then write a Java program template to generate them automatically. This book shows you how." --Charles F. Goldfarb Using Java and XML, you can now easily create "wizard-like" program generators that automate much of the work of software development(and deliver significant productivity improvements. In this book, former Bell Laboratories Distinguished Staff Member J. Craig Cleaveland shows you how to do it. Using extensive practical examples, "Program Generators with XML and Java" walks you through every step: Identifying off-the-shelf tools for quickly building program generators Domain Analysis: determining the terminology, boundaries, commonalities, and variabilities of software families Domain Implementation: processes and tools for efficiently generating customized software Accounting for run-time and compile-time variabilities Using XML documents as program specifications, and using the DOM and SAX APIs to read and analyze them Using JavaServer Pages and XPath/XSLT to generate customized software The role of reusable architectures and components, including JavaBeans Chances are, you're already using automated GUI builders, database application generators, and other code generation "wizards." Now, with "Program Generators with XML and Java," you canextend the advantages of code generation throughout your own custom applications and get to market faster, with greater reliability and lower costs.

The Java programming language has been one of the most exciting internet-friendly technologies to emerge in the last decade. Java Programming for Spatial Sciences introduces the subject to those who wish to use computers to handle information with a geographical element. The book introduces object-oriented modeling including key concepts suc

This book deals with, but is not limited to, the following: (1) A collection of typical computer programs written in Python and Matlab for scientific computations and their comparisons; (2) Interfaces of Php, Python, Perl with Matlab and vice versa; (3) Use of MySQL tables and XML for storing and transmitting scientific and economic data in scientific programming with Matlab, Python and Perl; (4) Converting from XML to MySQL tables and vice versa using Php; (5) Creating XML and MySQL tables and retrieving data from them for inputting to Matlab and to Python, using Php. It is assumed that the reader has had some knowledge of Php, Matlab, Python, Perl, MySQL and XML. As this book is written with Matlab programmers in mind, the following books are highly recommended for understanding the details of computer programs in this book: (1) Julie C. Meloni, PHP, MySQL and Apache,All in One, 4th ed. (2) Hans Petter Langstangen, A Primer on Scientific Programming with Python. (3) Robin Nixon, PHP, MySQL & JavaScript. K.Y. CHEUNG

Plagiarisms are frequently occurring in the Computer Science courses, especially in computer programming. In this thesis, XML plagiarism detection model is introduced and XML is used as an intermediate data exchange mechanism in the suggested model. Since a procedural programming language is defined by its specific rules and it is well-structured form, we can generate an XML document from a program source based on the XML schema. As long as we can generate XML documents from given program sources, XML queries to extract information how they are similar to each other can be queried over the documents. This idea makes us encourage to moving our attention to plagiarism detection models. As the result of this study, XML Plagiarism Detection System (XPDec) has been developed. The plagiarism detection systems for programming can be classified into two main groups: attribute-counting based systems and structural metrics based systems. XPDec system uses the combined detection mechanism. In addition to the mechanism, XPDec system is adopting the XML query language suggested in XML plagiarism detection model to extract control sequences from XML documents. This mechanism increases the accuracy of the results. At the end of this thesis we shows that the XPDec system gives high accuracy results to finding similarities among the given source programs.

This publication focuses on two main aspects; the seamless integration of XML and persistency concepts into the object-oriented programming language Java. XML is the de facto standard data exchange format between arbitrary applications. There have been many efforts to integrate XML into programming languages reaching from the simple document object model (DOM) to whole XML class generators. These approaches are available in most popular programming languages. The integration of persistency into

programming languages has been done by database programming languages as well as by certain new popular frameworks like Hibernate or approaches like EJB. Nevertheless, these approaches suffer from certain limitations concerning in particular transparency and object-orientation. While existing database programming languages integrate the relational model, Hibernate and EJB 3.x does not support polymorphism in general. EJB 2.x does not even support inheritance. In addition, although they try to, the approaches except by some database programming languages are not transparent. In this work, transparency means that arbitrary types may become persistent. Moreover, algorithms remain unchanged whether they are executed on transient or persistent objects. Finally, users can work with persistency on a very high level. Since there are so many currently developed frameworks trying to solve the integration problem of XML and persistency into object-oriented programming languages, the need for a holistic and transparent object-oriented database programming language seems to be there. The starting point of XOBEDBPL, which stands for XML OBjEcts Database Programming Language, is the predecessor project XOBE. XOBE concentrates on the integration of XML objects and XPath as the query language for these objects. The most important feature of XOBE is that each XML operation is statically type checked against the declared XML schema. In XOBEDBPL the XML integration is extended regarding the manipulation of XML objects. Before, XML objects could only be queried but not updated. The static type checking idea is kept and enhanced to include updates. While XOBE's intentions lie on the development of web applications, all objects can remain transient. XOBEDBPL is supposed to deal with persistent objects as well.

Microsoft Exchange Server 2007 was made to help you handle e-mail, meeting management, and other essential office services. Microsoft Exchange Server 2007 For Dummies helps you get a handle on Exchange Server. Pretty slick, huh? Here's the lowdown on installing and administering Microsoft Exchange Server 2007 and taking advantage of all the enhancements in Service Pack 1. With this handy guide, you'll be able to maximize the security, reliability, and speed that Exchange Server 2007 provides. Assess your organization's needs to determine which edition of Exchange Server best meets them Explore what Exchange Server does, then plan, install, and configure it Consider how your users work with their mail and customize your set-up to facilitate their needs Learn to use the Exchange Management Console Use the new Exchange Server security features to protect e-mail from viruses, spam, phishing, and other threats Set up an offline address book, use templates, and develop custom forms Create settings for the most efficient interaction with clients, use multiple mailboxes, and view digital certificates Manage resource scheduling and interactive calendars Troubleshoot your configuration, perform regular maintenance, and be able to recover from mail-specific problems Monitor Exchange Server performance and maintain databases, mail flow, and peak performance Microsoft Exchange Server 2007 For Dummies gets you ready to exchange problems for solutions. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Updated for Excel 2016 and based on the bestselling editions from previous versions, Microsoft Excel 2016 Programming by Example with VBA, XML and ASP is a practical, how-to book on Excel programming, suitable for readers already proficient with the Excel user interface (UI). If you are looking to automate Excel routine tasks, this book will progressively introduce you to programming concepts via numerous, illustrated, hands-on exercises. 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). More advanced topics are demonstrated via custom projects. From recording and editing a macro and writing VBA code to working with XML documents and using Classic ASP pages to access and display data on the Web, this book takes you on a programming journey that will change the way you work with Excel. The book provides information on performing automatic operations on files, folders, and other Microsoft Office applications. It also covers proper use of event procedures, testing and debugging, and guides you through programming advanced Excel features such as PivotTables, PivotCharts, and the Ribbon interface. Features: •Contains 28 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, 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). •Takes you from introductory topics--including recording and editing macros, using variables, and constants, writing subroutines/functions, conditional statements, and various methods of coding loops to repeat actions--to intermediate and advanced topics that include working with collections, class modules, arrays, file and database access, custom forms, error handling and debugging. •Includes comprehensive coverage of native file handling in VBA, Windows Scripting Host (WSH), and low-level File Access. •Demonstrates how to interact with Microsoft Access databases using both ADO and DAO Object Libraries to access and manipulate data. •Includes chapters on programming charts, PivotTables, dialog boxes, custom forms, the Ribbon, Backstage View, context/shortcut menu customizations, as well as proper use of event procedures and callbacks. •Provides a quick Hands-On introduction to the data analysis and transformation process using the new Excel 2016 Get & Transform feature and the "M" language formulas. •Provides a practical coverage of using Web queries, HTML, XML, and VBScript in Classic ASP to retrieve and publish Excel data to the Web. On The Companion Files: •All source code and supplemental files for the Hands-On exercises and custom projects •All images from the text (including 4-color screenshots)

Covers all the most recent XML core and related specifications including XML 1.1, J2EE 1.4, Microsoft .NET's latest iteration, as well as open source XML items from the Apache project. Strong coverage of XML use with databases, transactions, and XML security. Discusses both Microsoft (.NET) and Sun (Java) programming integration with XML, an approach not taken in any other book. Presents extensive business examples, including several major applications developed throughout the book. No previous exposure to XML is assumed.

Learn XML and how to use and integrate it into your C# applications using this compact book. This guide helps you avoid the pitfalls of dealing with XML and C# since handling XML with C# and the .NET Platform can present its own set of challenges. XML is far from a dead technology, so it is important to learn how best to use it in your applications when the need arises. What You Will Learn Gain the essentials of XML for C# development Read XML files with XMLDocuMent and XDocument Write XML with XMLDocument, XDocument, and XMLWriter Modifiy your XML with XML Document and XDocument Who This Book Is For Experienced Windows application programmers/developers using .NET and C# who may be new to using and applying XML.

This book is a comprehensive guide to programming in XML. It teaches students how to use XML to create customized tags and includes several chapters that address standard custom markup languages for science and technology, multimedia, commerce, and other fields. The authors include a concise introduction to Java, providing students with the essentials of this programming language to enable them to work effectively with XML. The book also includes cutting edge topics such as XQL, SMIL and VoiceXML as well as a real-world e-Commerce case study. A complete chapter on Web-accessibility that addresses VoiceXML is also included.

Practical use of the Python program. Look and admire. The micro-course describes creation of an example program in Python language. Keywords: Python, HTML

XML Programming Using the Microsoft XML Parser is written for programmers interested in XML development using Microsoft technologies. Coupling valuable discussion of the Microsoft XML parser, Windows platform, and XML development software with the numerous core XML technologies, including XSLT, XPATH, SAX, DOM, XML Schema, and SOAP, this book steps beyond the mainstream focus on the theoretical aspects of XML and actually demonstrates the concepts in a real-world development environment. Veteran authors and trainers Soo Mee Foo and Wei Meng Lee intersperse this survey of XML technologies with discussion of topics sure to interest any budding XML developer, providing timely information regarding Web services, ActiveX Data Objects (ADO), and Microsoft SQL Server 2000 XML support. A chapter is also devoted to the Wireless Markup Language (WML), one of the most visible applications of XML technology. No question, XML is one of the rising stars in information technology. XML Programming Using the Microsoft XML Parser offers you what you need to know to get acquainted with the concepts necessary to begin development with this exciting technology.

xtensible Markup Language (XML) is used to describe data. The XML standard is a flexible way to create information formats and electronically share structured data via the public Internet, as well as via corporate networks.XML code, a formal recommendation from the World Wide Web Consortium (W3C), is similar to Hypertext Markup Language (HTML). Both XML and HTML contain markup symbols to describe page or file contents. HTML code describes Web page content (mainly text and graphic images) only in terms of how it is to be displayed and interacted with.XML data is known as self-describing or self-defining, meaning that the structure of the data is embedded with the data, thus when the data arrives there is no need to pre-build the structure to store the data; it is dynamically understood within the XML. The XML format can be used by any individual or group of individuals or companies that want to share information in a consistent way. XML is actually a simpler and easier-to-use subset of the Standard Generalized Markup Language (SGML), which is the standard to create a document structure.The basic building block of an XML document is an element, defined by tags. An element has a beginning and an ending tag. All elements in an XML document are contained in an outermost element known as the root element. XML can also support nested elements, or elements within elements. This ability allows XML to support hierarchical structures. Element names describe the content of the element, and the structure describes the relationship between the elements.An XML document is considered to be "well formed" (that is, able to be read and understood by an XML parser) if its format complies with the XML specification, if it is properly marked up, and if elements are properly nested. XML also supports the ability to define attributes for elements and describe characteristics of the elements in the beginning tag of an element.

Introduces XML-RPC, a system for remote procedure calls built on XML that facilitates distributed Web-based applications written in Java, Perl, Python, Asp, or PHP.

Jabber is a set of protocols expressed in XML, and an extensible framework that allows people and applications to exchange all sorts of information, from simple text messages to being used to extend the backbone of an enterprise data system. Jabber gives you the power to build applications that have identity, presence, and that can take part in conversations.Programming Jabber offers developers a chance to learn and understand the Jabber technology and protocol from an implementer's point of view. Detailed information of each part of the Jabber protocol is introduced, explained, and discussed in the form of mini-projects, or simple and extended examples. Programming Jabber provides this foundation by: Showing you how to install and configure the Jabber server Providing a detailed overview of the server architecture and configuration options Covering the core Jabber technologies such as XML streams and Jabber identifiers Referencing all of Jabber's XML namespaces Examining the client registration and authentication phases Showing how to deploy your own Jabber-based messaging solutions Demonstrating how to embed XML-RPC-style call mechanisms into Jabber Programming Jabber is divided into two parts. The first part serves as an introduction to Jabber; you'll learn about its features, why it's more than an IM system, and how to install and configure a Jabber server of your own. The second part provides detailed information about the Jabber protocol, and a series of practical examples, which can be used to solve everyday problems. The examples, in Perl, Python, and Java, use various Jabber features as a way of illustrating parts of the protocol.Programming Jabber provides the foundation and framework for developers to hit the ground running, and is the essential book on Jabber.

This book is designed to take Microsoft Access users to the next step in programming. Its five parts cover an intro-duction to VBA programming, manipulating databases with ADO, using DDL, event programming, and using ASP and XML. With more than 300 hands-on examples and 11 custom projects, users can quickly build the toolset required for developing their own database solutions. Learn how to write and debug your programming code with the Visual Basic Editor, and understand and use common VBA programming structures such as conditions, loops, arrays, and collections. Learn how to create and manage databases with ActiveX Data Objects (ADO), and perform database tasks with Jet/Access Structured Query Language (SQL) and its Data Definition Language (DDL) component. Learn how to query and manipulate your database from a web browser with Active Server Pages (ASP) and export and import Access data to and from XML both manually and programmatically.

bull; Written by Goldfarb, the creator of markup language technology. bull; New coverage includes Microsoft's Desktop XML initiative, server-based publishing, Topic Maps, 'rich-client' Web services, SOAP 1.2, XPath 2.0 and more. bull; Includes two CD-ROMs with a remarkable library of no-time-limit XML freeware programs & -- over 200 of them, indexed and linked by Topic Maps!

XML Programming: The Ultimate Guide to Fast, Easy, and Efficient Learning of XML Programming (Operating system, Projects, XML Programming, DTD's, HTML5, JavaScript)Learn XML programming at ease. Learning eXtensible Markup Language is not foreign, anymore. The XML Programming book does not threaten you with ocean of information. Rather, it brings to you the essence of XML programming. This book covers only the essential topics, which helps the to try their hands on coding and exploring, rather than just reading and knowing. The book is designed for beginners, through numerous simple and real-time examples. Such a process of learning will help you in evaluating the uses of XML and will encourage you to use them appropriately. The tidbits added after discussing important topics will give you hints about things to remember. By the end of this book you will (1) be able to create your own XML document, (2) know what are the syntax and semantics of XML, (3) know when to use XML, (4) know what a Document Type Definition (DTD) is and how to use it, (5) know how to interpret an XML document and (6) know what HTML5 has in store. This book is structured with the following chapters: 1. What's in a Markup language? 2. Why XML when there is HTML? 3. Show me the syntax and semantics 4. Document Type Definition 5. Get your hands dirty 6. Interpreting XML - XML Parsers 7. HTML5 - Why here?

Excel 2007 Programming by Example with XML and ASP offers a hands-on approach for those looking to extend and customize Excel functionality. From recording a simple macro and writing VBA code to working with XML documents and using ASP to accss and display data, this book takes you on a progrmming journey that will change the way you work with Excel. Learn how to automate spreadsheet tasks with macros; write VBA code to program PivotTables, generate charts, build dialog boxes, and customize the Ribbon; handle errors and debug programs; create hyperlinks and publish HTML files. Retrieve data from the web directly into Excel; develop and manipulate smart tags using XML.

Compete with the big players in today's E-commerce marketplace Electronic Data Interchange (EDI) has long been the standard for large business enterprises to communicate in the B2B marketplace. However, EDI is a difficult technology - the cost and support of EDI standards is often too much for a small or medium business enterprise to bear. To compete in the current E-commerce marketplace, many

organizations are beginning to take an interest in the interoperability that exists between XML (Extensible Markup Language) and EDI. XML .NET Developers Guide is written for information technology professionals responsible for supporting data management in both small and large organizations. This book appeals to both individuals working with an existing EDI environment, and small to medium businesses looking to increase their market presence by competing with current EDI players using XML/EDI. XML/EDI is quickly becoming an industry standard, however there is a noticeable lack of quality reference material for programmers looking to adopt these standards. You can take it with you. The book comes with Syngress' revolutionary Wallet CD containing a printable HTML version of the book, all of the source code, and demo versions of popular XML/EDI translation tools Up to the minute web-based support with solutions@syngress.com

Get thorough coverage of SQL Server 2000—including extended XML capabilities and VS.NET updates with this expertly written resource. Learn to harness the full benefits of modular programming, and achieve faster execution and a reduction of network traffic. Included are a sample database and an end-to-end solution for a Web search engine.

Access 2007 Programming by Example with VBA, XML, and ASP shows non-programmers how Access databases can be created, managed, and customized with Visual Basic for Applications (VBA) a powerful programming language built into Access. Hundreds of hands-on examples and projects throughout the book show users how to take charge of their Access databases with programming. Learn how to Write and debug your programming code with the Visual Basic Editor; access and manipulate databases with Data Access Objects (DAO) and ActiveX Data Objects (ADO); use the Data Definition Language (DDL) to enforce data integrity and manage database security; modify the behavior of forms, reports, and controls by writing event procedures; publish dynamic Access data to the web using Active Server Pages (ASP) and Extensible Markup Language (XML); and work with the new features for tables, forms, reports, macros, and templates that are available in the Access 2007 user interface."

Explains essential skills and concepts, including how to display files, design documents, create personal and enterprise solutions, and work with Extensible Style Sheets.

This book and CD-ROM package seeks to teach the reader how to program XML. It contains over 10,000 lines of fully-tested live code in 250 working programs, 12 hours of audio annotations and hundreds of programming exercises. The course covers XQL, SMIL, and Voice XML.

Programming the Web Using XML by Ellen Pearlman and Eileen Mullin, part of our Web Developer Series, is designed to help those who have a background in HTML make the transition to XML, is designed to ensure that those who are new to Web design get the best introduction possible into developing sites in XML. The book begins with a comparison of HTML, XHTML, and XML, and includes real-life examples of how XML is being used today to help readers appreciate the power of XML. It also provides comprehensive coverage of the rules and standards for XML, which is very critical in programming XML. After completing this book, users will receive a comprehensive foundation to the rules and standards of XML syntax, complete with a series of lessons that walk he/she through the process of creating XML documents and related files.

Description: With "XML Programming For BizTalk Servers", enterprise developers get the work-ready information and tools they need to help their organizations meet the challenge of doing business in 'Internet time'. Author Brian Travis -- a highly regarded XML instructor and solutions developer -- offers expert guidance for building real-world, business-to-business (B2B) e-commerce applications using XML and BizTalk. This practical, code-rich book begins with an overview of XML in the B2B context, including coverage of XSL and industry schemas. Readers then dive into the BizTalk framework for application integration, stepping through the development of a working BizTalk server application. All the book's code is featured on CD-ROM so programmers can see what the syntax looks like and better comprehend the intricacies of implementing BizTalk solutions; the BizTalk JumpStart Kit helps expedite development of their own B2B applications. Case study discussions and a summary of references help round out the reader's understanding of technological and business considerations.

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 date with arrays and collections, and much more. Includes CD.

This New Book By The World S Leading Programming-Language Textbook Authors Carefully Explains Xml Based System Developments, Including Programming Multi-Tier, Client/Server, Database-Oriented, Internet And World-Wide-Web-Based Applications In Xml, How To Program, The Deitels And Their Colleagues, Tem R. Nieto, Ted Lin And Praveen Sadhu Discuss.