

Using Mysql With Pdo Object Oriented Php

PHP: Accessing Databases with PDO and MySQLi

MySQL's popularity has brought a flood of questions about how to solve specific problems, and that's where this cookbook is essential. When you need quick solutions or techniques, this handy resource provides scores of short, focused pieces of code, hundreds of worked-out examples, and clear, concise explanations for programmers who don't have the time (or expertise) to solve MySQL problems from scratch. Ideal for beginners and professional database and web developers, this updated third edition covers powerful features in MySQL 5.6 (and some in 5.7). The book focuses on programming APIs in Python, PHP, Java, Perl, and Ruby. With more than 200+ recipes, you'll learn how to: Use the mysql client and write MySQL-based programs Create, populate, and select data from tables Store, retrieve, and manipulate strings Work with dates and times Sort query results and generate summaries Use stored routines, triggers, and scheduled events Import, export, validate, and reformat data Perform transactions and work with statistics Process web input, and generate web content from query results Use MySQL-based web session management Provide security and server administration

Programming PHP, 2nd Edition, is the authoritative guide to PHP 5 and is filled with the unique knowledge of the creator of PHP (Rasmus Lerdorf) and other PHP experts. When it comes to creating websites, the PHP scripting language is truly a red-hot property. In fact, PHP is currently used on more than 19 million websites, surpassing Microsoft's ASP .NET technology in popularity. Programmers love its flexibility and speed; designers love its accessibility and convenience. As the industry standard book on PHP, all of the essentials are covered in a clear and concise manner. Language syntax and programming techniques are coupled with numerous examples that illustrate both correct usage and common idioms. With style tips and practical programming advice, this book will help you become not just a PHP programmer, but a good PHP programmer. Programming PHP, Second Edition covers everything you need to know to create effective web applications with PHP. Contents include: Detailed information on the basics of the PHP language, including data types, variables, operators, and flow control statements Chapters outlining the basics of functions, strings, arrays, and objects Coverage of common PHP web application techniques, such as form processing and validation, session tracking, and cookies Material on interacting with relational databases, such as MySQL and Oracle, using the database-independent PEAR DB library and the new PDO Library Chapters that show you how to generate dynamic images, create PDF files, and parse XML files with PHP Advanced topics, such as creating secure scripts, error handling, performance tuning, and writing your own C language extensions to PHP A handy quick reference to all the core functions in PHP and all the standard extensions that ship with PHP Praise for the first edition: "If you are just getting into the dynamic Web development world or you are considering migrating from another dynamic web product to PHP, Programming PHP is the book of choice to get you up, running, and productive in a short time." --Peter MacIntyre, eWeek "I think this is a great book for programmers who want to start developing dynamic websites with PHP. It gives a detailed overview of PHP, lots of valuable tips, and a good sense of PHP's

strengths." --David Dooling, Slashdot.org

"Modern, efficient, and secure techniques for PHP professionals"--Cover.

This manual describes the PHP extensions and interfaces that can be used with MySQL. For legal information, When it comes to creating dynamic web sites, the open source PHP language is red-hot property: used on more than 20 million web sites today, PHP is now more popular than Microsoft's ASP.NET technology. With our Cookbook's unique format, you can learn how to build dynamic web applications that work on any web browser. This revised new edition makes it easy to find specific solutions for programming challenges. PHP Cookbook has a wealth of solutions for problems that you'll face regularly. With topics that range from beginner questions to advanced web programming techniques, this guide contains practical examples -- or "recipes" -- for anyone who uses this scripting language to generate dynamic web content. Updated for PHP 5, this book provides solutions that explain how to use the new language features in detail, including the vastly improved object-oriented capabilities and the new PDO data access extension. New sections on classes and objects are included, along with new material on processing XML, building web services with PHP, and working with SOAP/REST architectures. With each recipe, the authors include a discussion that explains the logic and concepts underlying the solution.

Want to understand a certain PHP programming technique? Or learn how to accomplish a particular task? This cookbook is the first place to look. With more than 350 code-rich recipes revised for PHP 5.4 and 5.5, this third edition provides updated solutions for generating dynamic web content—everything from using basic data types to querying databases, and from calling RESTful APIs to testing and securing your site. Each recipe includes code solutions that you can freely use, along with a discussion of how and why they work. Whether you're an experienced PHP programmer or coming to PHP from another language, this book is an ideal on-the-job resource. You'll find recipes to help you with:

- Basic data types: strings, numbers, arrays, and dates and times
- Program building blocks: variables, functions, classes, and objects
- Web programming: cookies, forms, sessions, and authentication
- Database access using PDO, SQLite, and other extensions
- RESTful API clients and servers, including HTTP, XML, and OAuth
- Key concepts: email, regular expressions, and graphics creation
- Designing robust applications: security and encryption, error handling, debugging and testing, and performance tuning
- Files, directories, and PHP's Command Line Interface
- Libraries and package managers such as Composer and PECL

This updated edition teaches everything you need to know to create effective web applications with the latest features in PHP 5.x. You'll start with the big picture and then dive into language syntax, programming techniques, and other details, using examples that illustrate both correct usage and common idioms. If you have a working knowledge of HTML, the authors' many style tips and practical programming advice will help you become a top-notch PHP programmer. Get an overview of what's possible with PHP programs

- Learn language fundamentals, including data types, variables, operators, and flow control statements
- Understand functions, strings, arrays, and objects
- Apply common web application techniques, such as form processing, data validation, session tracking, and cookies
- Interact with relational databases like MySQL or NoSQL databases such as MongoDB
- Generate

dynamic images, create PDF files, and parse XML files Learn secure scripts, error handling, performance tuning, and other advanced topics Get a quick reference to PHP core functions and standard extensions Expert PHP and MySQL takes you beyond learning syntax to showing you how to apply proven software development methods to building commerce-grade PHP and MySQL projects that will stand the test of time and reliably deliver on customer needs. Developers of real-world applications face numerous problems that seem trivial on the surface, but really do take some skill to get right. Error handling is about more than just the mechanics in the PHP syntax, but also about handling MySQL errors, logging those errors, and about hiding information about application internals that error messages sometimes can expose. Meet these challenges and more head-on! Author Marc Rochkind shows how to begin a project right, with a clear contract and set of written requirements. You'll learn about project organization, setting up a solid development environment, connecting with client personnel. Database design is essential, and Expert PHP and MySQL has you covered with guidance on creating a sound model and database, and on pushing functionality into the database as appropriate; not everything should be done in PHP. Error handling is covered at both the PHP and MySQL levels. Application structure is covered. Guidance is provided on reporting. And finally there is conversion. In Expert PHP and MySQL you'll explore the following: The popular and widely used combination of PHP and MySQL Commercial-grade application of language and database features Human factors such as planning and organization Organizing a project to meet requirements and satisfy the customer Structuring an application for efficient development and future modification Coding PHP for productivity, reliability, security Generating online, downloadable, and printed reports Converting existing data to the new application

If you want to get started with PHP, this book is essential. Author David Sklar (PHP Cookbook) guides you through aspects of the language you need to build dynamic server-side websites. By exploring features of PHP 5.x and the exciting enhancements in the latest release, PHP 7, you'll learn how to work with web servers, browsers, databases, and web services. End-of-chapter exercises help you make the lessons stick. Whether you're a hobbyist looking to build dynamic websites, a frontend developer ready to add server-side programs, or an experienced programmer who wants to get up to speed with this language, this gentle introduction also covers aspects of modern PHP, such as internationalization, using PHP from the command line, and package management. Learn how PHP interacts with browsers and servers Understand data types, variables, logic, looping, and other language basics Explore how to use arrays, functions, and objects Build and validate web forms Work with databases and session management Access APIs to interact with web services and other websites Jumpstart your project with popular PHP web application frameworks

PHP is a hugely popular language that powers the backend of 80% of websites, including Internet giants such as Facebook, Wikipedia and WordPress. It's an easy language to learn and great for beginners, so you can get up and running fast! In Jump Start PHP you'll learn step-by-step how to build a complete blog application, understand how PHP works with data, and improve the security of your PHP apps. In just one weekend, you'll have a solid base to start writing PHP on your own! What you'll learn No Previous Knowledge Required: Start by installing PHP and the best free tools Nail the Basics: Learn syntax, operators, loops and functions Write Better Code: Understand Object Oriented Programming, and learn best practices used by the pros Build your Resume: PHP is a rock-solid language to add to your list of skills

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Who should do this Developers seeking a rapid introduction to PHP. You'll need to know HTML and CSS, and experience with other programming languages would be useful.

MySQL, Fifth Edition by Paul DuBois The definitive guide to using, programming and administering MySQL 5.5 and MySQL 5.6 MySQL provides a comprehensive guide to effectively using and administering the MySQL database management system (DBMS). Author Paul DuBois describes everything from the basics of getting information into a database and formulating queries, to using MySQL with PHP or Perl to generate dynamic web pages, to writing your own programs that access MySQL databases, to administering MySQL servers. The book also includes a comprehensive reference section providing detailed information on MySQL's structure, language, syntax, and APIs. The fifth edition of this bestselling book has been meticulously revised and updated to thoroughly cover the latest features and capabilities of MySQL 5.5, as well as to add new coverage of features introduced with MySQL 5.6. MySQL is an open source relational database management system (DBMS) that has experienced a phenomenal growth in popularity and use. Known for its speed and ease of use, MySQL has proven itself to be particularly well-suited for developing database-backed websites and applications. MySQL runs on anything from modest hardware all the way up to enterprise servers, and its performance rivals any database system put up against it. Paul DuBois' MySQL, Fifth Edition, is the definitive guide to fully exploiting all the power and versatility of MySQL 5.5 and MySQL 5.6 Contents at a Glance Part I: General MySQL Use Chapter 1 Getting Started with MySQL Chapter 2 Using SQL to Manage Data Chapter 3 Data Types Chapter 4 Views and Stored Programs Chapter 5 Query Optimization Part II: Using MySQL Programming Interfaces Chapter 6 Introduction to MySQL Programming Chapter 7 Writing MySQL Programs Using C Chapter 8 Writing MySQL Programs Using Perl DBI Chapter 9 Writing MySQL Programs Using PHP Part III: MySQL Administration Chapter 10 Introduction to MySQL Administration Chapter 11 The MySQL Data Directory Chapter 12 General MySQL Administration Chapter 13 Security and Access Control Chapter 14 Database Maintenance, Backups, and Replication Part IV: Appendixes Appendix A Software Required to Use This Book Appendix B Data Type Reference Appendix C Operator and Function Reference Appendix D System, Status, and User Variable Reference Appendix E SQL Syntax Reference Appendix F MySQL Program Reference Online Appendixes: Appendix G C API Reference Appendix H Perl DBI API Reference Appendix I PHP API Reference

This is the second edition of David Powers' highly-respected PHP Solutions: Dynamic Web Design Made Easy. This new edition has been updated by David to incorporate changes to PHP since the first edition and to offer the latest techniques—a classic guide modernized for 21st century PHP techniques, innovations, and best practices. You want to make your websites more dynamic by adding a feedback form, creating a private area where members can upload images that are automatically resized, or perhaps storing all your content in a database. The problem is, you're not a programmer and the thought of writing code sends a chill up your spine. Or maybe you've dabbled a bit in PHP and MySQL, but you can't get past baby steps. If this describes you, then you've just found the right book. PHP and the MySQL database are deservedly the most popular combination for creating dynamic websites. They're free, easy to use, and provided by many web hosting companies in their standard packages. Unfortunately, most PHP books either expect you to be an expert already or force you to go through endless exercises of little practical value. In contrast, this book gives you real value right away through a series of practical examples that you can incorporate directly into your sites, optimizing performance and adding functionality such as file uploading, email feedback forms, image galleries, content management systems, and much more. Each solution is created with not only functionality in mind, but also visual design. But this book doesn't just provide a collection of ready-made scripts: each PHP Solution builds on what's gone before, teaching you the

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basics of PHP and database design quickly and painlessly. By the end of the book, you'll have the confidence to start writing your own scripts or—if you prefer to leave that task to others—to adapt existing scripts to your own requirements. Right from the start, you're shown how easy it is to protect your sites by adopting secure coding practices.

The world is becoming increasingly mobile. Smartphones and tablets have become more powerful and popular, with many of these devices now containing confidential business, financial, and personal information. This has led to a greater focus on mobile software security. Establishing mobile software security should be of primary concern to every mobile application developer. This book explains how you can create mobile social applications that incorporate security throughout the development process. Although there are many books that address security issues, most do not explain how to incorporate security into the building process. *Secure Development for Mobile Apps* does exactly that. Its step-by-step guidance shows you how to integrate security measures into social apps running on mobile platforms. You'll learn how to design and code apps with security as part of the process and not an afterthought. The author outlines best practices to help you build better, more secure software. This book provides a comprehensive guide to techniques for secure development practices. It covers PHP security practices and tools, project layout templates, PHP and PDO, PHP encryption, and guidelines for secure session management, form validation, and file uploading. The book also demonstrates how to develop secure mobile apps using the APIs for Google Maps, YouTube, jQuery Mobile, Twitter, and Facebook. While this is not a beginner's guide to programming, you should have no problem following along if you've spent some time developing with PHP and MySQL.

PHP is an easy-to-use and easy-to-learn web programming language that is freely available on Windows, Macintosh, and Linux computers. In this book, you'll learn PHP by working through 5 BIG chapters, from BASIC TO OOP 1. Getting Started with PHP 2. Developing PHP/MySQL Webapps 3. Object-Oriented Programming (OOP) in PHP 4. PHP Miscellaneous 5. PHP Unit Testing with PHPUnit This book is designed for - Students who want to learn web developing programming with no programming experience - Junior developers who know one or two languages - Returning professionals who haven't written code in years - Seasoned professionals looking for a fast, simple This book is intended for anyone starting out with PHP programming. If you've previously worked in another programming language such as Java, C#, or Perl, you'll probably pick up the concepts in the earlier chapters quickly; however, the book assumes no prior experience of programming or of building Web applications. That said, because PHP is primarily a Web technology, it will help if you have at least some knowledge of other Web technologies, particularly HTML and CSS. Many Web applications make use of a database to store data, and this book contains three chapters on working with MySQL databases. Once again, if you're already familiar with databases in general — and MySQL in particular — you'll be able to fly through these chapters. However, even if you've never touched a database before in your life, you should still be able to pick up a working knowledge by reading through these chapters.

Now that PHP has true object-oriented capabilities, it's best practice to access databases using PDO (PHP Data Objects) and MySQLi. These methods produce database-neutral code that works with over a dozen systems, including MySQL, SQL Server, PostgreSQL, and SQLite. Learn how to use PDO and MySQLi to perform basic select, insert, update, and delete operations; improve security with prepared statements; and use transactions to execute multiple queries simultaneously. Author David Powers also covers advanced topics like instantiating custom objects, and compares PDO to MySQLi so you can decide which method is right for you.

Explore the engine that drives the internet It takes a powerful suite of technologies to drive the most-visited websites in the world. PHP, MySQL, JavaScript, and other web-building languages serve as the foundation for application development and programming projects at all

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levels of the web. Dig into this all-in-one book to get a grasp on these in-demand skills, and figure out how to apply them to become a professional web builder. You'll get valuable information from seven handy books covering the pieces of web programming, HTML5 & CSS3, JavaScript, PHP, MySQL, creating object-oriented programs, and using PHP frameworks. Helps you grasp the technologies that power web applications Covers PHP version 7.2 Includes coverage of the latest updates in web development Perfect for developers to use to solve problems This book is ideal for the inexperienced programmer interested in adding these skills to their toolbox. New coders who've made it through an online course or boot camp will also find great value in how this book builds on what you already know.

This book is a practical, hands-on guide that provides the reader with a number of clear, step-by-step exercises. This book is great for developers who already have knowledge of PHP and MySQL and who want to learn about integrating Twilio's API into their websites for telephone solutions.

Get started with PHP and MySQL programming: no experience necessary. This fifth edition of a classic best-seller includes detailed instructions for configuring the ultimate PHP 7 and MySQL development environment on all major platforms, complete coverage of the latest additions and improvements to the PHP language, and thorough introductions to MySQL's most relied-upon features. You'll not only receive extensive introductions to the core features of PHP, MySQL, and related tools, but you'll also learn how to effectively integrate them in order to build robust data-driven applications. Author Frank M. Kromann draws upon more than 20 years of experience working with these technologies to pack this book with practical examples and insight into the real-world challenges faced by developers. Accordingly, you will repeatedly return to this book as both a valuable instructional tool and reference guide. What You Will Learn Install PHP, MySQL, and several popular web servers Get started with PHP, including using its string-handling, networking, forms-processing, and object-oriented features Gain skills in MySQL's fundamental features, including supported data types, database management syntax, triggers, views, stored routine syntax, and import/export capabilities Work with hundreds of examples demonstrating countless facets of PHP and MySQL integration Who This Book Is For Anyone who wants to get started using PHP to write dynamic web applications.

Switching database vendors is often considered an exhausting challenge for database administrators and developers. Complexity, total cost, and the risk of downtime are often the reasons that restrain IT decision makers from starting the migration project. The primary goal of this book is to show that, with the proper planning and guidance, converting from MySQL to IBM® DB2® is not only feasible but straightforward. If you picked up this book, you are most likely considering converting to DB2 and are probably aware of several of the advantages of to converting to DB2 data server. In this IBM Redbooks® publication, we discuss in detail how you can take advantage of this industry leading database server. This book is an informative guide that describes how to convert the database system from MySQL™ 5.1 to DB2® V9.7 on Linux® and the steps that are involved in enabling the applications to use DB2 instead of MySQL. This guide also

presents the best practices in conversion strategy and planning, conversion tools, porting steps, and practical conversion examples. It is intended for technical staff that is involved in a MySQL to DB2 conversion project.

PHP is a server-side scripting language that enables you to develop dynamic sites that engage users in ways that are simply not possible using only HTML and CSS. PHP for Absolute Beginners takes a practical approach to teaching you how to build dynamic content for your website using PHP. You'll quickly get started with practical PHP projects, learning how to build a dynamic image gallery. By the end of the book you'll will have developed a personal blog complete with a password protected admin module. PHP for Absolute Beginners won't swamp you with every detail of the full PHP language up front – instead, you'll be introduced to a small, versatile subset of PHP and learn to use it creatively to develop dynamic web sites. In the process you will learn to use variables, control structures, functions, and objects to your advantage. You will learn how to plan and create databases and how to organize your PHP scripts beautifully. At the end of the book, you will be a confident PHP user, ready to take the next steps in creating great websites.

This is the third edition of the highly practical work that offers a comprehensive introduction to two of the most prominent open source technologies on the planet: the PHP scripting language and the MySQL database server. In this incarnation, W. Jason Gilmore's book has been updated to cover the new features in PHP as that language makes the very significant jump from version 5 to version 6. Essentially three books in one, readers not only profit from extensive introductions to the core features of each technology, but also learn how to effectively integrate the two in order to build robust data-driven applications. The book is packed with practical examples and insight into the real-world challenges faced by developers.

A textbook on computer science

You will learn PHP/MySQL fast, easy and fun. This book provides you with a complete MySQL guidance presented in an easy-to-follow manner. Each chapter has practical examples with SQL script and screenshots available. If you go through the entire chapters, you will know how to manage MySQL databases and manipulate data using various techniques such as MySQL queries, MySQL stored procedures, database views, triggers. In the first part of the book, you will learn basic MySQL statements including how to implement querying data, sorting data, filtering data, joining tables, grouping data, subquerying data, dan setting operators. Aside from learning basic SQL statements, you will also learn step by step how to develop stored procedures in MySQL. First, we introduce you to the stored procedure concept and discuss when you should use it. Then, we show you how to use the basic elements of the procedure code such as create procedure statement, if-else, case, loop, stored procedure's parameters. In the next chapter, we will discuss the database views, how they are implemented in MySQL, and how to use them more effectively. After that, you will learn how to work with

Guide, Third Edition! Filled with fourteen chapters of step-by-step content and written by bestselling author and PHP programmer Larry Ullman, this guide teaches specific topics in direct, focused segments, shows how PHP is used in real-world applications. The book teaches developing web applications using advanced PHP techniques and advanced database concepts, and this edition offers several chapters devoted to object-oriented programming and all-new chapters on debugging, testing, and performance and using the Zend framework. Author hosts a popular companion website at www.larryullman.com, where readers can freely download code used in the book, access a user forum and book updates, and get advice directly from the author.

Gain instant solutions, including countless pieces of useful code that you can copy and paste into your own applications, giving you answers fast and saving you hours of coding time. You can also use this book as a reference to the most important aspects of the latest PHP scripting language, including the vital functions you know and love from previous versions of PHP, as well as the functions introduced in PHP 7. *PHP and MySQL Recipes: A Problem-Solution Approach* supplies you with complete code for all of the common coding problems you are likely to face when using PHP and MySQL together in your day-to-day web application development. This invaluable guide includes over 200 recipes and covers numerous topics. What you hold in your hands is the answer to all your PHP 7 needs. Furthermore, this book explains the PHP functionality in detail, including the vastly improved object-oriented capabilities and the new MySQL database extension. *PHP and MySQL Recipes* will be a useful and welcome companion throughout your career as a web developer, keeping you on the cutting edge of PHP development, ahead of the competition, and giving you all the answers you need, when you need them. What You'll Learn Work with arrays, dates and times, strings, files and directories, and dynamic imaging Write regular expressions in PHP Use the variables and functions found in PHP Who This Book Is For Experienced PHP and MySQL programmers and web developers who have at least some PHP and MySQL programming experience.

Learn how to build a login and registration system using PHP, MySQL, and Ajax About This Video Create a complete login, logout, and user registration system that can be used for any website Understand the workflow of PHP, MySQL, and JavaScript Learn how to enable security and password protection in the login system In Detail This course will teach you how to create a complete login, logout, and user registration system for your website. The course will also help you to develop an understanding of PHP, MySQL, JavaScript (jQuery and Ajax), and Git (using GitHub). In this course, you'll learn how to write the code for building a full login system with registration, logout, and members-only access pages. The videos will show you how to use JavaScript and jQuery to create an Ajax request to register users and handle the login functionality. You'll also cover security and password protection, after which you'll be able to create secure database

connections using PHP Data Objects (PDO) instead of MySQLi to understand PDO's object-oriented programming (OOP) way. By the end of this course, you'll be able to create a complete login and registration system confidently and be able to build classes from basic functions.

Discover effective techniques, workarounds, and expert guidance for avoiding situations where your application might break following PHP 8 migration

Key Features

- Get the hang of all the new features introduced in PHP 8
- Learn how to detect potential code breaks and keep your application code running smoothly in PHP 8
- Explore an exciting new trend - asynchronous PHP programming using Swoole and Fibers

Book Description

Thanks to its ease of use, PHP is a highly popular programming language used on over 78% of all web servers connected to the Internet. PHP 8 Programming Tips, Tricks, and Best Practices will help you to get up-to-speed with PHP 8 quickly. The book is intended for any PHP developer who wants to become familiar with the cool new features available in PHP 8, and covers areas where developers might experience backward compatibility issues with their existing code after a PHP 8 update. The book thoroughly explores best practices, and highlights ways in which PHP 8 enforces these practices in a much more rigorous fashion than its earlier versions. You'll start by exploring new PHP 8 features in the area of object-oriented programming (OOP), followed by enhancements at the procedural level. You'll then learn about potential backward compatible breaks and discover best practices for improving performance. The last chapter of the book gives you insights into PHP async, a revolutionary new way of programming, by providing detailed coverage and examples of asynchronous programming using the Swoole extension and Fibers. By the end of this PHP book, you'll not only have mastered the new features, but you'll also know exactly what to watch out for when migrating older PHP applications to PHP 8.

What you will learn

- Gain a comprehensive understanding of the new PHP 8 object-oriented features
- Discover new PHP 8 procedural programming enhancements
- Understand improvements in error handling in PHP 8
- Identify potential backward compatibility issues
- Avoid traps due to changes in PHP extensions
- Find out which features have been deprecated and/or removed in PHP 8
- Become well-versed with programming best practices enforced by PHP 8

Who this book is for

This book is for PHP developers at all levels who have experience in PHP 5 or above. If you're just getting started with PHP, you'll find the code examples useful for learning the language. Developers who have worked for a few months on one or more PHP projects will be able to apply the tips and techniques to the code at hand, while those with many years of PHP experience are sure to appreciate the concise coverage of new PHP 8 features.

A Beginner's Guide to PHP Data Objects, Database Connection Abstraction Library for PHP 5

Welcome to learning PHP and MySQL. This book is intended for all those who wish to code in PHP to handle data in a server-side context. You will discover how the language is structured through its organization : keywords, variables,

loops, conditional expressions as well as functions. You will answer to a form that sends information to a server, thanks to the superglobal variables. With PHP, you can manage a MySQL database with the PHPMyAdmin tool. But you can also program with procedural MySQLi or object-oriented PDO functions. Feel free to test all the exercises of this book to immerse yourself better inside the syntax and the many instructions. Enjoy your reading. ABOUT THE AUTHOR Rémy Lentzner has been an IT trainer since 1985. Specialized in mastering office automation tools, he supports companies in the professional training of their employees. Self-taught, he has twenty computer books to his credit.

The first book to show readers how to create a complete e-commerce driven website using two of the most popular open source technologies, PHP and PostgreSQL Adapted from the strong selling Beginning PHP 5 and MySQL E-Commerce, this book is based on a proven and popular instructional model. PostgreSQL, long the second most popular open source database in the world, has seen a significant resurgence in interest throughout 2005 due to software enhancements and considerable capital injections. It stands to reason already strong interest in this database will continue to grow for the foreseeable future.

Free Open Source Software have been growing enormously in the field of information technology. Open Source Software (OSS) is a software whose source code is accessible for alteration or enrichment by other programmers. This book gives a detailed analysis of open source software and their fundamentals, and so is meant for the beginners who want to learn and write programs using Open Source Software. It also educates on how to download and instal these open source free software in the system. The topics covered in the book broadly aims to develop familiar Open Source Software (OSS) associated with database, web portal and scientific application development. Software platforms like, Android, MySQL, PHP, Python, PERL, Grid Computing, and Open Source Cloud, and their applications are explained through various examples and programs. The platforms like OSS and Linux are also introduced in the book. Recapitulation given at the end of each chapter enables the readers to take a quick revision of the topics. Numerous examples in the form of programs are given to enable the students to understand the theoretical concepts and their applicative knowledge. The book is an introductory textbook on Open Source Software (OSS) for the undergraduate students of Computer Science Engineering (CSE) and postgraduate students of Computer Application (MCA). Salient Features The procedure for installing software (Linux, Android, PHP, MySQL, Perl, and Python) both in Linux and Windows operating systems are discussed in the book. • Numerous worked out example programs are introduced. • Inclusion of several questions drawn from previous question papers in chapter-end exercises.

Build interactive, data-driven websites with the potent combination of open source technologies and web standards, even if you have only basic HTML knowledge. With the latest edition of this popular hands-on guide, you'll tackle dynamic web programming using the most recent versions of today's core technologies: PHP, MySQL, JavaScript, CSS, HTML5, jQuery, and the powerful React library. Web designers will learn how to use these technologies together while picking up valuable web programming practices along the way--including how to optimize websites for mobile devices. You'll put everything together to build a fully functional social networking site suitable for both desktop and mobile browsers. Explore MySQL from database structure to complex queries Use the MySQL PDO extension, PHP's improved MySQL interface Create dynamic PHP web pages that tailor themselves to the user Manage cookies and sessions and maintain a high level of

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security Enhance JavaScript with the React library Use Ajax calls for background browser-server communication Style your web pages by acquiring CSS skills Implement HTML5 features, including geolocation, audio, video, and the canvas element Reformat your websites into mobile web apps

This brief book is an introduction to SQLite for both iOS and Android developers. The book includes an optional introduction to SQL, a discussion of when to use SQLite, and chapters devoted to using SQLite with the most likely programming languages and then goes through adding a simple database to an Android or iOS app and finally a chapter on managing the app's life cycle. What You Will Learn: • The basics of SQLite• The SQL you need to use SQLite effectively• How to integrate a database into your mobile app. • How to maintain the app Who this book is for: This book is for Android or iOS developers who wish to use a lightweight but flexible database for their applications. It mobile development experience but does not assume anything but very basic database knowledge.

* This best-selling title has comprehensive discussions about PHP 5, MySQL 5, and how these two popular open source technologies work together to create powerful websites. * Updated to reflect the new features found in MySQL's most significant release to date. Readers are introduced to advanced database features like triggers, stored procedures, and views. They learn how to integrate these new capabilities into their PHP-driven web applications. The book also discusses PHP's new MySQL extension, mysqli, which is required for MySQL versions 4.1 and higher. * Packed with hundreds of practical examples covering all aspects of web development, including forms management, templating, database integration, Web services, security, and session handling.

An annotated guide to program and develop GNU/Linux Embedded systems quickly About This Book Rapidly design and build powerful prototypes for GNU/Linux Embedded systems Become familiar with the workings of GNU/Linux Embedded systems and how to manage its peripherals Write, monitor, and configure applications quickly and effectively, manage an external micro-controller, and use it as co-processor for real-time tasks Who This Book Is For This book targets Embedded System developers and GNU/Linux programmers who would like to program Embedded Systems and perform Embedded development. The book focuses on quick and efficient prototype building. Some experience with hardware and Embedded Systems is assumed, as is having done some previous work on GNU/Linux systems. Knowledge of scripting on GNU/Linux is expected as well. What You Will Learn Use embedded systems to implement your projects Access and manage peripherals for embedded systems Program embedded systems using languages such as C, Python, Bash, and PHP Use a complete distribution, such as Debian or Ubuntu, or an embedded one, such as OpenWrt or Yocto Harness device driver capabilities to optimize device communications Access data through several kinds of devices such as GPIO's, serial ports, PWM, ADC, Ethernet, WiFi, audio, video, I2C, SPI, One Wire, USB and CAN Practical example usage of several devices such as RFID readers, Smart card readers, barcode readers, z-Wave devices, GSM/GPRS modems Usage of several sensors such as light, pressure, moisture, temperature, infrared, power, motion In Detail Embedded computers have become very complex in the last few years and developers need to easily manage them by focusing on how to solve a problem without wasting time in finding supported peripherals or learning how to manage them. The main challenge with experienced embedded programmers and engineers is really how long it takes to turn an idea into reality, and we show you exactly how to do it. This book shows how to interact with external environments through specific peripherals used in the industry. We will use the latest Linux kernel release 4.4.x and Debian/Ubuntu distributions (with embedded distributions like OpenWrt and Yocto). The book will present popular boards in the industry that are user-friendly to base the rest of the projects on - BeagleBone Black, SAMA5D3 Xplained, Wandboard and system-on-chip manufacturers. Readers will be able to take their first steps in programming the embedded platforms, using C, Bash, and

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Python/PHP languages in order to get access to the external peripherals. More about using and programming device driver and accessing the peripherals will be covered to lay a strong foundation. The readers will learn how to read/write data from/to the external environment by using both C programs or a scripting language (Bash/PHP/Python) and how to configure a device driver for a specific hardware. After finishing this book, the readers will be able to gain a good knowledge level and understanding of writing, configuring, and managing drivers, controlling and monitoring applications with the help of efficient/quick programming and will be able to apply these skills into real-world projects. Style and approach This practical tutorial will get you quickly prototyping embedded systems on GNU/Linux. This book uses a variety of hardware to program the peripherals and build simple prototypes.

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