

Oracle Application Express Developer Guide

Oracle Application Express 4 Recipes provides an example-based approach to learning Application Express—the ground-breaking, rapid application development platform included with every Oracle Database license. The recipes format is ideal for the quick-study who just wants a good example or two to kick start their thinking and get pointed in the right direction. The recipes cover the gamut of Application Express development. Author and Application Express expert Edmund Zehoo shows how to create data entry screens, visualize data in the form of reports and charts, implement validation and back-end logic, and much more. Solutions are presented in an easy problem/solution format, which you can copy and adapt for your own use. Detailed discussion for each solution deepens your understanding and aids in customizing the solutions to fit your particular development challenges. Teaches Application Express via an example-based format Takes you from beginner to intermediate level Shows how to build a fully-functional web store in just one hour

Provides examples and step-by-step instructions on creating HTML-DB applications.

This is my eleventh book on Oracle Application Express (APEX) written for the latest version. Just like my previous books that exposed the technology to thousands around the globe, this book is also aimed at absolute beginners who wish to learn from self-paced professional guidance and need a solid foundation in Oracle APEX. The world of technology is changing very rapidly. Things that used to be done in months are now being done in days and even hours. There are so many web development technologies out there and to pick the right one as a beginner is a very tedious task. Web development comes with a huge set of rules and techniques every web developer should know about. If you want your web applications to look and function as you wish them to, you need to put on many hats to get familiar with web technologies that will help you achieve your goal. We are building a world where any business idea can be automated in minutes. From web application development perspective you need a platform to rapidly respond to these ever changing demands. This is where Oracle APEX fits in. Oracle APEX is a low-code application development platform and this is the most exciting feature of Oracle APEX that efficiently copes with the current trends. Low-code app development enables people without technical backgrounds to develop innovative apps and can help speed time to develop. It has the capability to make everyone a developer. From software customization to complex apps, low-code is capable of equipping any employee with powerful tools for improved operational efficiency. Low-code platforms enable agility and faster, more accessible development cycles. One benefit of low-code app development is it allows non-coders to prototype solutions quickly. These solutions can be tested, evaluated and refined without having to involve formal software development staff members. As a low-code web application development tool, Oracle APEX helps you create complete applications visually with the help of drag-and-drop interface and wizards. Rather than writing thousands of lines of complex code and syntax, this low-code platform allows you to build complete applications with modern user interfaces, integrations, data and logic quickly and visually. If you have strong intentions to become a dynamic web developer, then you have landed on the right page. This book will provide you with a solid foundation of Oracle APEX and will set a firm ground to develop robust application systems to fulfill the information requirements of your organization. Special offer! For those who are new to SQL or those who want to strengthen their SQL knowledge, I'm providing my SQL/PLSQL e-book with this book for FREE!

Pro Oracle Application Express 4 is your key to mastering one of the most innovative products to come out of Oracle in years. Application Express, termed "APEX" for short, is fast becoming one of the easiest and most widely-used of tools for creating enterprise-level applications

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that run against an Oracle database. APEX is easy enough for power users to create ad-hoc applications atop something more reliable than a spreadsheet. Yet APEX is powerful and extensible enough to enable fully-scalable, enterprise-level applications that are accessed by thousands of users. Authors Tim Fox, John Scott, and Scott Spendolini take you to the professional level in developing for Application Express. They show how to handle user authentication in enterprise environments and how to extend APEX by writing components based upon Oracle's new plug-in architecture. You'll learn to deal with localization issues such as time zones and translations, and to customize the look and feel of an APEX website to blend in with your corporate branding strategy. The authors also cover web service development, performance and scalability, and the production issues that you encounter in enterprise-level deployments. Many years of experience in solving the "hard problems" are coalesced in this book to help you, the reader, take advantage of all that APEX has to offer. Focuses on high-end, enterprise-level development Covers new features such as plug-ins and Websheets Introduces the new interface released with APEX 4.0

Oracle Application Express has taken another big leap towards becoming a true next generation RAD tool. It has entered into its fifth version to build robust web applications. One of the most significant feature in this release is a new page designer that helps developers create and edit page elements within a single page design view, which enormously maximizes developer productivity. Without involving the audience too much into the boring bits, this full colored edition adopts an inspiring approach that helps beginners practically evaluate almost every feature of Oracle Application Express, including all features new to version 5. The most convincing way to explore a technology is to apply it to a real world problem. In this book, you'll develop a sales application that demonstrates almost every feature to practically expose the anatomy of Oracle Application Express 5. The short list below presents some main topics of Oracle APEX covered in this book: Rapid web application development for desktops, laptops, tablets, and latest smartphones Create comprehensive applications declaratively without writing tons of code Design application pages using new Page Designer Create applications with the help of wizards Create custom application pages by adding components manually Use same interface and code to develop applications for a wide array of devices Present data using a variety of eye-catching charts Produce highly formatted PDF reports, including invoices, grouped reports, and pivot tables Design and implement a comprehensive security module If you are looking for a concise and concrete book on Oracle Application Express 5, then I must say that this is the book that will return more than what you have paid for it. The sticky inspirational approach adopted in this book not only exposes the technology, but also draws you in and keeps your interest up till the last exercise.

After Great response of Oracle APEX - Tips and Tricks I, Priyanka Agarwal is releasing her second book in series. Oracle APEX - Tips and Tricks II contains step-by-step application development techniques, real-world coding examples, and best practices. You will find out how to work with the App Builder and Page Designer, use APEX themes (responsive and mobile included), templates and wizards, and design and deploy custom web apps. Helps understand APEX concepts and programming fundamentals. Make the most of Oracle Apex with this guide to best practices and its Tips and Tricks II. It will help you look at the bigger picture when building applications and take more elements into account and deal with everyday common issues that are faced. Who This Book Is For This book is filled with tips on how to make the most of Oracle APEX. Developers beginning with application development as well as those who are experienced will benefit from this book. You will need to have basic knowledge of SQL and PL/SQL to follow the examples in this book. In Detail Have you ever wanted to create real-world database applications? In this book you're not only getting APEX best practices and tricks, but will also take into account the total environment of an APEX application and benefit from it. "Oracle APEX Tips and Tricks" will guide you through the development of real-world

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applications. It will give you a broader view of APEX. The various aspects include setting up APEX environment, testing and debugging, security, and getting the best out of SQL and PL/SQL. "Oracle APEX Tips and Tricks" is where practical development begins! Published by: MeetGoogle

Take advantage of all the exciting Reporting features of Oracle Application Express 4.2. Designed for a hands-on approach, this book contains in-depth practical guidelines from George Bara, a well-known Oracle APEX expert and blogger. From Classic to Interactive Reports, Web Services and PDF Printing, "Oracle APEX Reporting Tips & Tricks" is a must-have for all database developers that want to make the most out of the Oracle APEX reporting engine.

Building on your existing SQL skills, this book teaches you how to apply useful jQuery techniques to applications developed using the Oracle Application Express (APEX) development tool. Pro jQuery in Oracle Application Express covers the fundamentals you need to start enhancing your applications, with some practical examples that you'll want in your own applications tomorrow. jQuery is a framework already utilized by APEX, and by learning the basics of jQuery you can leverage the flexible dynamic actions provide and see your applications raise the bar. Discover why you should embrace HTML5, CSS, and jQuery library capabilities, and how they can enhance the user experience. Oracle Application Express is a mature, browser-based, rapid-development environment with a strong community base around the #orclapex tag. jQuery is a language for the browser, with it you can treat your web page as if it were a database, interacting with a range of features and functions that can make you into a more constructive, more efficient developer. Exemplifies how productive APEX, CSS, and jQuery can be Transforms your PL/SQL skills to CSS and jQuery Provides jQuery snippets to enhance your application UX

Develop Robust Modern Web Applications with Oracle Application Express. Covers APEX 5.1. Easily create data-reliant web applications that are reliable, scalable, dynamic, responsive, and secure using the detailed information contained in this Oracle Press guide. Oracle Application Express (APEX): Build Powerful Data-Centric Web Apps with APEX features step-by-step application development techniques, real-world coding examples, and best practices. You will find out how to work with the App Builder and Page Designer, use APEX themes (responsive and mobile included), templates and wizards, and design and deploy custom web apps. New and updated features in APEX 5.0/5.1 are thoroughly covered and explained.

- Understand APEX concepts and programming fundamentals
- Plan and control the development cycle, using HLD techniques
- Use APEX themes and templates, including Universal Theme
- Use APEX wizards to rapidly build forms and reports on database tables
- Build modern, dynamic, and interactive user interface using the Page Designer
- Increase user experience using Dynamic Actions (Ajax included)
- Build and utilize the new APEX 5.1 Interactive Grid
- Implement App Logic with APEX computations, validations, and processes
- Use (automatic) built-in and manual DML to manipulate your data
- Handle security at browser, application, and database levels
- Successfully deploy the developed APEX apps

Developing data-centric web applications can be a real challenge as it is a multi-disciplinary process. There are many technologies involved in the client side (HTML, CSS, JavaScript, and so on); the interaction with the database, on the

server side; the typeless nature of the web environment; and above all, the need to put it all together. This needs to be done in a manner that will allow the end users to do their job in the simplest and most efficient way, while enriching their user experience. How often have you wished that developing such applications could be uncomplicated and straightforward? This book will show you that it's possible, and teaches you how to do it, using Oracle Application Express (APEX). With this practical guide to APEX, you'll learn how to easily develop data-centric web applications for the Oracle environment. The book covers the development cycle of an APEX application, reviewing the major APEX principles and building blocks chapter by chapter. It starts with the basic skills you need to get going when developing with APEX. Later, you will learn advanced issues, such as how to build tailor-made forms and reports, using APEX APIs, AJAX, and so on. It not only deals with the "How" but also with the "Why", and before long you will be able to understand APEX concepts, and use them to expand and enhance the built-in features, wizards, and tools. The book starts with the design phase, including building the necessary database objects infrastructure; continues with ways to implement the application logic (on the server side) and the User Interface (on the client side), whilst showing you how to enhance your applications' features and functionality according to your specific needs; and it ends with application deployment. The book emphasizes and clearly documents areas such as Globalization, Localization, and developing multi-lingual applications, and includes a special discussion about Right-To-Left (RTL) support for APEX applications, documented here for the first time. Throughout the book, there are many screenshots and snippets of code, taken from working APEX applications. The book is accompanied by demo APEX applications that you can download and install in your APEX environment, thoroughly analyze, and learn from as you read the book.

Beginning Oracle Application Express 4.2 introduces version 4.2 of the popular and productive Oracle Application Express development platform. Called APEX for short, the platform enables rapid and easy development of web-based applications that make full use of Oracle Database. The release of APEX 4.2 brings extensive new Flash and HTML 5 charting capabilities, enhanced themes for mobile applications usable from phones and tablets, RESTful web services support, enhanced application packaging, and the many redesigned wizards give a new and fresh feel to the user interface. Whether you're new to Oracle or an old hand who's yet to test the waters of APEX, Beginning Oracle Application Express 4.2 introduces the processes and best practices you'll need to become proficient with APEX. The book shows off the programming environment, the utilities and tools available, and then continues by walking through the process of building a working system from the ground up. All code is documented and explained so that those new to the languages will not be lost. After reading this book, power users and programmers alike can quickly put together robust and scalable applications for use by one person, by a department, by an entire company. Covers brand-new functionality

in APEX 4.2 Provides fully documented and explained example code Guides you through creating a working and fully deployable application

Use this comprehensive guide to get started with the Oracle Cloud Free Tier. Reading this book and creating your own application in the Free Tier is an excellent way to build familiarity with and expertise in Oracle Cloud Infrastructure. Even better is that the Free Tier by itself is capable enough and provides all the ingredients needed for you to create secure and robust, multi-tiered web applications of modest size. Examples in this book introduce the broad suite of Always Free options that are available from Oracle Cloud Infrastructure. You will learn how to provision autonomous databases and autonomous Linux compute nodes. And you will see how to use Terraform to manage infrastructure as code. You also will learn about networking options and application deployment, including how to create and deploy public-facing Application Express solutions and three-tier web applications on a foundation of Oracle REST Data Services. The book also includes a solid introduction to predictive analytics through Oracle Machine Learning Notebooks and Apache Zeppelin. Cloud computing is a strong industry trend. Mastering the content in this book leaves you well-positioned to make the transition into providing and supporting cloud-based applications and databases. You will have the knowledge and skills that you need to deploy modest applications along with a growing understanding of Oracle's Cloud platform that will serve you well as you go beyond the limits of the Always Free options and take full advantage of all that Oracle Cloud Infrastructure can offer. What You Will Learn Know which resources are available for free forever from Oracle Cloud Infrastructure Host, manage, and monitor web applications using the freely available components Provision and manage Autonomous Databases and Autonomous Linux Compute Nodes Perform rudimentary predictive analytics using Oracle Machine Learning Notebooks Automate and manage your infrastructure as code using Terraform Monitor and manage costs when you grow beyond the Always Free platform Who This Book Is For Database administrators and application developers who want to learn about Oracle's cloud offerings, application developers seeking a robust platform on which to build and deploy modest applications at zero cost, and developers and administrators interested in exploring Oracle Application Express running on a self-managing, self-tuning Oracle Database

Build and manage your Oracle Database XE environment with this fast paced, practical guide

Expert Oracle Application Express Security covers all facets of security related to Oracle Application Express (APEX) development. From basic settings that can enhance security, to preventing SQL Injection and Cross Site Scripting attacks, Expert Oracle Application Express Security shows how to secure your APEX applications and defend them from intrusion. Security is a process, not an event. Expert Oracle Application Express Security is written with that theme in mind. Scott Spendolini, one of the original creators of the product, offers not only examples of security best practices, but

also provides step-by-step instructions on how to implement the recommendations presented. A must-read for even the most experienced APEX developer, Expert Oracle Application Express Security can help your organization ensure their APEX applications are as secure as they can be.

This book shows you how to master Application Express to build effective web-based Oracle database applications. The author provides hands-on, step-by-step guidance on the complete development process, through creating, customizing, and extending the application. In addition to presenting how to build a simple application, this guide also details reporting and charting, themes and templates, and security. Additionally, it demonstrates how to use packaged applications and how to work with multiple applications. Data migration and integration with the Oracle environment is also discussed. Learn the many design decisions that must be made before starting to build a large Oracle Application Express (APEX) application for the cloud or enterprise. One of APEX's key strengths is the fact that it is a Rapid Application Development (RAD) tool. This is also a major weakness when it tempts developers to start coding too soon. Small applications that consist of tens of pages can be coded without a lot of design work because they can be re-factored quickly when design flaws are discovered. Design flaws in large cloud and enterprise applications that consist of hundreds or thousands of pages are not so easy to re-factor due to the time needed to redevelop and retest the application, not to mention the risk of breaking functionality in subtle ways. Designing a large application before coding starts is a profitable exercise because a thoughtful design goes a long way in mitigating cost overruns and schedule slippage while simultaneously enhancing quality. This book takes into account perspectives from other non-developer stakeholders such as maintenance developers, business analysts, testers, technical writers, end users, and business owners. Overlooking these perspectives is one of the chief causes of expensive rework late in the development cycle. Oracle Application Express by Design illustrates APEX design principles by using architecture diagrams, screen shots, and explicit code snippets to guide developers through the many design choices and complex interrelationship issues that must be evaluated before embarking on large APEX projects. This book: Guides you through important, up-front APEX design decisions Helps you to optimize your design by keeping all stakeholders in mind Explicit code examples show how design impacts cost, schedule, and quality What You Will Learn Pick and choose from the list of designs before coding begins Bake optimal quality into the underlying fabric of an APEX application Think and design from outside the developer's narrow perspective Optimize APEX application designs to satisfy multiple stakeholder groups Evaluate design options through hands-on, explicit code examples Define and measure success for large cloud and enterprise APEX applications Who This Book Is For APEX developers and development teams

Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle

Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions

* A detailed tutorial that takes you from no knowledge of Oracle programming to mastery, teaching you how to write correct, production quality code right from the start. * A clear, step-by-step guide to every aspect of programming the Oracle database, with practical programming techniques and troubleshooting advice from Oracle experts. * Provides an extensive SQL toolkit to tackle common day-to-day database tasks

Whether you're new to Oracle or an old hand who has yet to test the waters of APEX, Beginning Oracle Application Express 5 introduces the processes and best practices you'll need to become proficient with APEX. The book shows off the programming environment, the utilities and tools available, and then continues by walking through the process of building a working system from the ground up. All code is documented and explained so that those new to the languages will not be lost. After reading this book, power users and programmers alike can quickly put together robust and scalable applications for use by one person, by a department, by an entire company. Beginning Oracle Application Express 5 introduces version 5 of the popular and productive Oracle Application Express development platform. Called APEX for short, the platform enables rapid and easy development of web-based applications that make full use of Oracle Database. The release of APEX 5 brings major new changes to the page builder, an enhanced universal theme, better RESTful web services support, enhanced application packaging, and the many redesigned wizards give a new and fresh feel to the user interface. Covers brand-new functionality in APEX 5 Provides fully documented and explained example code Guides you through creating a working and fully deployable application

A three-book set for absolute beginners who want to become dynamic web developers This three-book set combines the titles No-Code Oracle APEX For Thirteen To Ninety, SQL and PL/SQL For Everyone, and Oracle APEX 20 For

Beginners. Together these three books will provide a solid foundation to anyone who has the desire to develop dynamic data-driven web applications quickly with no/low code features of Oracle APEX. Oracle APEX is a low-code application development framework. Low-code is a software development approach that enables the delivery of applications faster and with minimal hand-coding. Low-code framework helps you create complete applications visually with the help of drag-and-drop interface and wizards. Rather than writing thousands of lines of complex code and syntax, low-code platforms allow you to build complete applications with modern user interfaces, integrations, data and logic quickly and visually. Oracle APEX is one such area. You can use Oracle APEX free of charge - either as part of an existing Oracle Database license or running in the free Oracle Database 18c XE product. Oracle APEX empowers you to build incredible apps and solve real problems. And you won't need to become an expert in a vast array of web technologies, such as HTML, CSS, JavaScript and more. Oracle APEX is capable to do the heavy lifting for you. You just need to focus on the problem to be solved. The book No-Code Oracle APEX For Thirteen To Ninety - Build Your First Web App without Writing a Single Line of Code is for anyone who wants to become a web developer but is scared of writing tons of code and is looking for the easiest track to start with. I compiled this book for everyone (especially teens) to make web application development fun for them rather than a nightmare. The SQL and PL/SQL languages are too voluminous and exposure of every aspect of these huge languages is a very tedious task. Keeping aside the least utilized features, the book SQL and PL/SQL For Everyone is rolled out to focus on the more operational areas of the language. It is meant to help you learn SQL and PL/SQL quickly by yourself. It follows a tutorial approach wherein hundreds of hands-on exercises are provided, augmented with illustrations, to teach you SQL and PL/SQL in a short period of time. Oracle APEX 20 For Beginners is my eleventh book on Oracle Application Express (APEX) written for the latest version. Just like my previous books that exposed the technology to thousands around the globe, this next-level book is also aimed at beginners who wish to learn from self-paced professional guidance and need a solid foundation in Oracle APEX.

As a Cookbook, this book enables you to create APEX web applications and to implement features with immediately usable recipes that unleash the powerful functionality of Oracle APEX 4.2. Each recipe is presented as a separate, standalone entity and the reading of other, prior recipes is not required. It can be seen as a reference and a practical guide to APEX development. This book is aimed both at developers new to the APEX environment and at intermediate developers. More advanced developers will also gain from the information at hand. If you are new to APEX you will find recipes to start development and if you are an experienced user you will find ways to improve your productivity and efficiency and make the most of APEX to enhance your applications. A little knowledge of PL/SQL, HTML and JavaScript is assumed.

Packed with plentiful screenshots and clear explanations, this book is a step-by-step tutorial that demonstrates a successful Oracle Forms to Oracle APEX Conversion project. This book is for Oracle Forms developers who want to migrate to Oracle APEX. The book will also be useful for Oracle APEX developers who want to convert their older Forms applications to Oracle APEX applications.

Become an ADF expert with essential tips n' tricks and case studies for leveraging your ADF applications.

An example-driven approach to securing Oracle APEX applications As a Rapid Application Development framework, Oracle Application Express (APEX) allows websites to easily be created based on data within an Oracle database. Using only a web browser, you can develop and deploy professional applications that are both fast and secure. However, as with any website, there is a security risk and threat, and securing APEX applications requires some specific knowledge of the framework. Written by well-known security specialists Rex, this book shows you the correct ways to implement your APEX applications to ensure that they are not vulnerable to attacks. Real-world examples of a variety of security vulnerabilities demonstrate attacks and show the techniques and best practices for making applications secure. Divides coverage into four sections, three of which cover the main classes of threat faced by web applications and the fourth covers an APEX-specific protection mechanism Addresses the security issues that can arise, demonstrating secure application design Examines the most common class of vulnerability that allows attackers to invoke actions on behalf of other users and access sensitive data The lead-by-example approach featured in this critical book teaches you basic "hacker" skills in order to show you how to validate and secure your APEX applications.

Deliver rich desktop-styled Oracle APEX applications using the powerful Ext JS JavaScript library with this book and eBook.

Agile Oracle Application Express shows how skilled, motivated, and self-organizing developers can realize extraordinary commercial benefits from Oracle Application Express. The secret is to couple Application Express with an agile software development approach. This book leads the way. Oracle Application Express is well-suited to agile processes, with its support for rapid prototyping and team development.

Application Express supports a gamut of enabling technologies such as SQL, HTML, CSS, JavaScript, and more that enable you to deliver any type of web application to meet your development needs. Agile Oracle Application Express helps you take the feature set of Application Express and marry it with the processes of agile development to iteratively design, create, and deliver quality applications on time and within budget.

First things first. Grab this book only if you have some basic knowledge of Oracle Application Express (APEX), and possess some hands-on experience with this rapid web application development tool. If you don't, then I encourage you to read my latest book *Create Rapid Web Application in Oracle Application Express 19* (ISBN- 9781094779096), which is written for absolute beginners. The word hacking has a bad reputation in the computing world. This term is generally used to break into computer systems and create havoc. Among developers, though, the term hack refers to a quick solution to a problem, or an intelligent way to get something done. And the term hacker is used for someone who is creative, and possesses technical chops to get things done. This book is an attempt to reclaim the word, and pass creative stuff on to

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the inexperienced. It exhibits professional approach to various problems you face while developing applications in Oracle APEX and provides quick ways to learn new things about the technology. Oracle APEX is evolving and you get exciting new features with every new release to develop latest, data-centric web apps fast. The main objective of this book is to help you practically evaluate these features to polish your development skills. The topics covered in this book are not documented in APEX manuals. Not only the book provides pro tricks to develop professional-looking web apps, but it also saves the time you spend on the Internet to search these solutions. This book is meant to provide a new way of perceiving Oracle APEX. Whether you are looking for a new technique to include in your application, a solution to a common problem, or just some insight into Oracle APEX, I am sure you will find the stuff provided in this book helpful and exciting.

Learn the many design decisions that must be made before starting to build a large Oracle Application Express (APEX) application for the cloud or enterprise. One of APEX's key strengths is the fact that it is a Rapid Application Development (RAD) tool. This is also a major weakness when it tempts developers to start coding too soon. Small applications that consist of tens of pages can be coded without a lot of design work because they can be re-factored quickly when design flaws are discovered. Design flaws in large cloud and enterprise applications that consist of hundreds or thousands of pages are not so easy to re-factor due to the time needed to redevelop and retest the application, not to mention the risk of breaking functionality in subtle ways. Designing a large application before coding starts is a profitable exercise because a thoughtful design goes a long way in mitigating cost overruns and schedule slippage while simultaneously enhancing quality. Oracle Application Express by Design takes into account perspectives from other non-developer stakeholders such as maintenance developers, business analysts, testers, technical writers, end users, and business owners; overlooking these perspectives is one of the chief causes of expensive rework late in the development cycle. Oracle Application Express by Design illustrates APEX design principles by using architecture diagrams, screen shots, and explicit code snippets to guide developers through the many design choices and complex interrelationship issues that must be evaluated before embarking on large APEX projects. Guides you through important, up-front APEX design decisions Helps you to optimize your design by keeping all stakeholders in mind Explicit code examples show how design impacts cost, schedule, and quality What You Will Learn Pick and choose from the list of designs before coding begins. Bake optimal quality into the underlying fabric of an APEX application. Think and design from outside the developer's narrow perspective. Optimize APEX application designs to satisfy multiple stakeholder groups. Evaluate design options through hands-on, explicit code examples. Define and measure success for large cloud and enterprise APEX applications. Who This Book Is For Oracle Application Express by Design is written for APEX developers and development teams. Architecture diagrams, screen shots, and explicit code snippets are designed to focus developers' attention on the diverse needs of all the stakeholders who are involved in building large cloud and enterprise APEX applications. Readers will find concrete examples in the book of how to implement various design strategies to achieve optimal results for their organization.

Master the advanced concepts of PL/SQL for professional-level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0-146 examination Build robust and secure applications in Oracle PL/SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for database management. Readers are expected to have basic knowledge of Oracle Database and the fundamentals of PL/SQL programming. Certification aspirants can use this book to prepare for 1Z0-146 examination in order to be an Oracle Certified Professional in Advanced PL/SQL. What You Will Learn Learn and understand the key SQL and PL/SQL features of Oracle Database 12c Understand the

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new Multitenant architecture and Database In-Memory option of Oracle Database 12c Know more about the advanced concepts of the Oracle PL/SQL language such as external procedures, securing data using Virtual Private Database (VPD), SecureFiles, and PL/SQL code tracing and profiling Implement Virtual Private Databases to prevent unauthorized data access Trace, analyze, profile, and debug PL/SQL code while developing database applications Integrate the new application development features of Oracle Database 12c with the current concepts Discover techniques to analyze and maintain PL/SQL code Get acquainted with the best practices of writing PL/SQL code and develop secure applications In Detail Oracle Database is one of the most popular databases and allows users to make efficient use of their resources and to enhance service levels while reducing the IT costs incurred. Oracle Database is sometimes compared with Microsoft SQL Server, however, Oracle Database clearly supersedes SQL server in terms of high availability and addressing planned and unplanned downtime. Oracle PL/SQL provides a rich platform for application developers to code and build scalable database applications and introduces multiple new features and enhancements to improve development experience. Advanced Oracle PL/SQL Developer's Guide, Second Edition is a handy technical reference for seasoned professionals in the database development space. This book starts with a refresher of fundamental concepts of PL/SQL, such as anonymous block, subprograms, and exceptions, and prepares you for the upcoming advanced concepts. The next chapter introduces you to the new features of Oracle Database 12c, not limited to PL/SQL. In this chapter, you will understand some of the most talked about features such as Multitenant and Database In-Memory. Moving forward, each chapter introduces advanced concepts with the help of demonstrations, and provides you with the latest update from Oracle Database 12c context. This helps you to visualize the pre- and post-applications of a feature over the database releases. By the end of this book, you will have become an expert in PL/SQL programming and will be able to implement advanced concepts of PL/SQL for efficient management of Oracle Database. Style and approach The book follows the structure of the Oracle Certification examination but doesn't restrict itself to the exam objectives. Advanced concepts have been explained in an easy-to-understand style, supported with feature demonstrations and case illustrations.

This new edition of Understanding Oracle APEX 5 Application Development shows APEX developers how to build practical, non-trivial web applications. The book introduces the world of APEX properties, explaining the functionality supported by each page component as well as the techniques developers use to achieve that functionality. The book is targeted at those who are new to APEX and just beginning to develop real projects for production deployment. Reading the book and working the examples will leave you in a good position to build good-looking, highly-functional, web applications. Topics include: conditional formatting, user-customized reports, data entry forms, concurrency and lost updates, and updatable reports. Accompanying the book is a demo web application that illustrates each concept mentioned in the book. Specific attention is given in the book to the thought process involved in choosing and assembling APEX components and features to deliver a specific result. Understanding Oracle APEX 5 Application Development is the ideal book to take you from an understanding of the individual pieces of APEX to an understanding of how those pieces are assembled into polished applications. Teaches how to develop non-trivial APEX applications. Provides deep understanding of APEX functionality. Shows the techniques needed for customization.

This book shows developers and Oracle professionals how to build practical, non-trivial web applications using Oracle's rapid application development environment – Application Express (APEX). This third edition is revised to cover the new features and user interface experience found in APEX 20. Interactive grids and form regions are two of the newer aspects of APEX covered in this edition. The book is targeted at those who are new to APEX and just beginning to develop real projects for deployment, as well as those who are familiar with APEX and want a deeper understanding. The book takes you through the development of a demo web application that illustrates the concepts all APEX

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programmers should know. This book introduces the world of APEX properties, explaining the functionality supported by each page component as well as the techniques developers use to achieve that functionality. Topics include conditional formatting, user-customized reports, data entry forms, concurrency and lost updates, and security control. Specific attention is given in the book to the thought process involved in choosing and assembling APEX components and features to deliver a specific result. Understanding Oracle APEX 20 Application Development, 3rd Edition is the ideal book to take you from an understanding of the individual pieces of APEX to an understanding of how those pieces are assembled into polished applications. What You Will Learn Build attractive, highly functional web apps from the ground up Enhance and customize pages created by the APEX wizards Understand the security implications of page design Write PL/SQL code for process activity and verification Build complex components such as forms and interactive grids Who This Book Is For Developers new to APEX who desire a strong fundamental understanding of how APEX applications work. For existing developers and database administrators desiring to mine the most value from APEX by improving their development techniques.

This book is packed with real world examples that cover all the advanced features of PL/SQL. In turn, each major certification topic is covered in a separate chapter that makes understanding concepts easier. At the end of each chapter, you will find plenty of practice questions to strengthen and test your learning. If you are a PL/SQL developer looking for deeper insight and a move from mid-level programmer to professional database developer, then this is the best guide for you. This book is also an ideal guide for all the Associate level PL/SQL programmers who are preparing for the Professional 1Z0-146 certification. This book assumes you have prior knowledge of PL/SQL programming.

Expert Oracle Application Express, 2nd Edition is newly updated for APEX 5.0 and brings deep insight from some of the best APEX practitioners in the field today. You'll learn about important features in APEX 5.0, and how those can be applied to make your development work easier and with greater impact on your business. Oracle Application Express (APEX) is an entirely web-based development framework that is built into every edition of Oracle Database. The framework rests upon Oracle's powerful PL/SQL language, enabling power users and developers to rapidly develop applications that easily scale to hundreds, even thousands of concurrent users. APEX has seen meteoric growth and is becoming the tool of choice for ad-hoc application development in the enterprise. The many authors of Expert Oracle Application Express, 2nd Edition build their careers around APEX. They know what it takes to make the product sing—developing secure applications that can be deployed globally to users inside and outside a large enterprise. The authors come together in this book to share some of their deepest and most powerful insights into solving the difficult problems surrounding globalization, configuration and lifecycle management, and more. New in this edition for APEX 5.0 is coverage of Oracle REST Data Services, map integration, jQuery with APEX, and the new Page Designer. You'll learn about debugging and performance, deep secrets to customizing your application user interface, how to secure applications from intrusion, and about deploying globally in multiple languages. Expert Oracle Application Express, 2nd Edition is truly a book that will move you and your skillset a big step towards the apex of Application Express development. Contains all-new content on Oracle REST Data Services, jQuery in APEX, and map integration Addresses globalization and other concerns of enterprise-level development Shows how to customize APEX for your own application needs

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In clearly written chapters you will be guided through different aspects of Oracle Application Express. Varying from setting up your environment to maximizing SQL and PL/SQL. Examples are given based on a simple but appealing case. This book is filled with best practices on how to make the most of Oracle APEX. Developers beginning with application development as well as those who are experienced will benefit from this book. You will need to have basic knowledge of SQL and PL/SQL to follow the examples in this book.

From operating systems to the cloud, Oracle's products and services are everywhere, and it has the market share to prove it. Given the share diversity of the Oracle product line, and the level of complexity of integration, management can be quite a daunting task. The CIO's Guide to Oracle Products and Solutions is the go-to guide for all things Oracle

Succeed in managing Oracle Application Express (APEX) environments. This book focuses on creating the right combination of scalability, high-availability, backup and recovery, integrity, and resource control. The book covers everything from simple to enterprise-class deployments, with emphasis on enterprise-level requirements and coverage of cloud and hybrid-cloud scenarios. Many books cover how to develop applications in Oracle APEX. It's a tool with a fast-growing user-base as developers come to know how quick and easy it is to create new applications that run in a browser. However, just getting an application off the ground is only a small part of a bigger picture. Applications must be supported. They must be available when users need them. They must be robust against disaster and secure against malicious attack. These are the issues addressed in Oracle Application Express Administration. These are the issues that when tackled successfully lead to long term success in using Oracle APEX as a rapid application-development toolset. Readers of this book learn how to install the Oracle APEX engine in support of small-scale projects such as at the departmental level, and in support of enterprise-level projects accessed by thousands of users across dozens of time zones. Readers learn to take advantage of Oracle Database's underlying feature set in regards to application scalability and performance, integrity, security, high-availability, and robustness against failure and data loss. Oracle Application Express Administration also describes different cloud solutions, integration with Oracle E-Business Suite, and helps in taking advantage of multitenancy in Oracle Database 12c and beyond. Covers important enterprise considerations such as scalability, robustness, high-availability. Describes cloud-based application deployment scenarios Focuses on creating the right deployment environment for long-term success What You Will Learn Install, upgrade, and configure robust APEX environments Back up and recover APEX applications and their data Monitor and tune the APEX engine and its applications Benefit from new administration features in APEX 5.0 Run under multi-tenant architecture in Oracle Database 12c Manage the use of scarce resources with Resource Manager Secure your data with advanced security features Build high-availability into your APEX deployments Integrate APEX with Oracle E-Business Suite Who This Book Is For Architects, administrators, and developers who want to better understand how APEX works in a corporate environment. Readers will use this book to design deployment architectures around Oracle Database strengths like multi-tenancy, resource management, and high availability. The book is also useful to administrators responsible for installation and upgrade, backup and recovery, and the ongoing monitoring of the APEX engine and

the applications built upon it.

Expert Oracle Application Express brings you groundbreaking insights into developing with Oracle's enterprise-level, rapid-development tool from some of the best practitioners in the field today. Oracle Application Express (APEX) is an entirely web-based development framework that is built into every edition of Oracle Database. The framework rests upon Oracle's powerful PL/SQL language, enabling power users and developers to rapidly develop applications that easily scale to hundreds, even thousands of concurrent users. The 13 authors of Expert Oracle Application Express build their careers around APEX. They know what it takes to make the product sing—developing secure applications that can be deployed globally to users inside and outside a large enterprise. The authors come together in this book to share some of their deepest and most powerful insights into solving the difficult problems surrounding scalability, globalization, configuration and lifecycle management, and more. You'll learn about debugging and performance, deep secrets to customizing your application user interface, how to secure applications from intrusion, and about deploying globally in multiple languages. Expert Oracle Application Express is truly a book that will move you and your skillset a big step towards the apex of Application Express development. Presents best-practices and development insights from leading experts in the field Addresses globalization, scalability, security, and other concerns of enterprise-level development Shows how to customize APEX for your own application needs

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

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