

1. Record Nr.	UNINA9910815849803321
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Titolo	Advanced Oracle PL/SQL developer's guide : master the advanced concepts of PL/SQL for professional-level certification and learn the new capabilities of Oracle Database 12c // Saurabh K. Gupta
Pubbl/distr/stampa	Birmingham : , : Packt Publishing, , 2016
ISBN	1-78528-252-2
Edizione	[Second edition.]
Descrizione fisica	1 online resource (428 p.)
Collana	Professional expertise distilled
Disciplina	005.7565
Soggetti	PL/SQL (Computer program language) Database design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Overview of PL/SQL Programming Concepts; Chapter 2: Oracle 12c SQL and PL/SQL New Features; Chapter 3: Designing PL/SQL Code; Chapter 4: Using Collections; Chapter 5: Using Advanced Interface Methods; Chapter 6: Virtual Private Database; Chapter 7: Oracle SecureFiles; Chapter 8: Tuning PL/SQL Code; Chapter 9: Result Cache; Chapter 10: Analyzing, Profiling, and Tracing PL/SQL Code; Chapter 11: Safeguarding PL/SQL Code against SQL injection Chapter 12: Working with Oracle SQL DeveloperIndex; Introduction to PL/SQL; Cursors - an overview; Exception handling in PL/SQL; Creating stored procedures; Functions; A PL/SQL package; Oracle Database 12c enhancements to PL/SQL subprograms; Managing database dependencies; Reviewing Oracle-supplied packages; Oracle SQL Developer; Summary; Practice exercise; Database consolidation and the new Multitenant architecture; Oracle 12c SQL and PL/SQL new features; The Oracle Database 12c (12.1.0.2) In-Memory option; Summary; Cursor structures; Cursor variables Implicit statement results in Oracle Database 12cSubtypes; Summary; Practice exercise; Introduction to collections; Collection types; Associative arrays; Nested tables; Varray; Comparing the collection types; Oracle 12c enhancements to collections; PL/SQL collection

methods; Summary; Practice exercise; Overview of External Procedures; Components of external procedure execution flow; Executing external C programs from PL/SQL; Securing External Procedures with Oracle Database 12c; Executing Java programs from PL/SQL; Summary; Practice exercise; Oracle Database Security overview
 Fine-Grained Access Control Virtual Private Database; Virtual Private Database metadata; Oracle Database 12c Security enhancements; Summary; Practice exercise; Introduction to Large Objects; LOB data types in Oracle; Oracle SecureFiles; Working with LOBs; Migrating LONG to LOBs; Migrating BasicFiles to SecureFiles; Oracle Database 12c enhancements to SecureFiles; Summary; Practice exercise; The PL/SQL Compiler; Native and interpreted compilation techniques; Tuning PL/SQL code; Summary; Practice exercise; Oracle Database 11g Result Cache; SQL query Result Cache; PL/SQL Function Result Cache OCI Client results cache The DBMS_RESULT_CACHE package; Result cache in Real Application Clusters; Summary; Practice exercise; A sample PL/SQL program; Tracking PL/SQL coding information; Determining identifier types and usages; The DBMS_METADATA package; Tracing PL/SQL programs using DBMS_TRACE; Profiling PL/SQL code; Summary; Practice exercise; What is SQL injection?; Preventing SQL injection attacks; Testing the code for SQL injection flaws; Summary; Practice exercise; An overview of SQL Developer; Getting started with SQL Developer; SQL Developer 4.0 and 4.1 New Features; Summary
 PL/SQL program fundamentals

Sommario/riassunto

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 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,...

2. Record Nr.	UNINA9910661589203321
Titolo	Finite fields and their applications : character sums and polynomials / / edited by Pascale Charpin, Alexander Pott, Arne Winterhof
Pubbl/distr/stampa	Berlin ; ; Boston, : De Gruyter, c2013
Edizione	[1st ed.]
Descrizione fisica	1 online resource (288 p.)
Collana	Radon series on computational and applied mathematics, , 1865-3707 ; ; v. 11
Altri autori (Persone)	CharpinP <1949-> (Pascale) PottAlexander <1961-> WinterhofArne
Disciplina	512/.3 512.3
Soggetti	Finite fields (Algebra) Mathematics Telecommunication systems Electronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on the RICAM-Workshop on Finite Fields and Their Applications: Character Sums and Polynomials, held at the Federal Institute for Adult Education in Strobl, Austria, September 2-7, 2012.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Preface -- Contents -- Character Sums and Polyphase Sequence Families with Low Correlation, Discrete Fourier Transform (DFT), and Ambiguity / Gong, Guang -- Measures of Pseudorandomness / Gyarmati, Katalin -- Existence Results for Finite Field Polynomials with Specified Properties / Huczynska, Sophie -- Incidence Structures, Codes, and Galois Geometries / Jungnickel, Dieter -- Special Mappings of Finite Fields / Kyureghyan, Gohar M. -- On The Classification of Perfect Nonlinear (PN) and Almost Perfect Nonlinear

(APN) Monomial Functions / Hernando, Fernando / McGuire, Gary --
Finite Fields and Quasirandom Points / Niederreiter, Harald --
Iterations of Rational Functions: Some Algebraic and Arithmetic Aspects
/ Ostafe, Alina -- Additive Combinatorics over Finite Fields: New
Results and Applications / Shparlinski, Igor E. -- Index -- Backmatter

Sommario/riassunto

This book is based on the invited talks of the "RICAM-Workshop on Finite Fields and Their Applications: Character Sums and Polynomials" held at the Federal Institute for Adult Education (BlfEB) in Strobl, Austria, from September 2-7, 2012. Finite fields play important roles in many application areas such as coding theory, cryptography, Monte Carlo and quasi-Monte Carlo methods, pseudorandom number generation, quantum computing, and wireless communication. In this book we will focus on sequences, character sums, and polynomials over finite fields in view of the above mentioned application areas: Chapters 1 and 2 deal with sequences mainly constructed via characters and analyzed using bounds on character sums. Chapters 3, 5, and 6 deal with polynomials over finite fields. Chapters 4 and 9 consider problems related to coding theory studied via finite geometry and additive combinatorics, respectively. Chapter 7 deals with quasirandom points in view of applications to numerical integration using quasi-Monte Carlo methods and simulation. Chapter 8 studies aspects of iterations of rational functions from which pseudorandom numbers for Monte Carlo methods can be derived. The goal of this book is giving an overview of several recent research directions as well as stimulating research in sequences and polynomials under the unified framework of character theory.
