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# Oracle pl sql programming o'reilly

O'Reilly Media published the 6th edition of my favorite book worldwide: Oracle PL/SQL Programming Is My Favorite Because it has had more (and more positive) impact on my life than any other book I've written or read. Fortunately, a lot of other people like it, too. To make it as useful as possible, we include a lot of scripts that demonstrate PL/SQL features. You can access these scripts by going to the link above and clicking download sample code or click here for the direct link. When something mutates, it's changing. Something that is changing is difficult to analyze and quantify. A mutant table error (ORA-04091) occurs when a row level trigger attempts to examine or change a table that is already undergoing a change (using an INSERT, UPDATE, or DELETE statement). In particular, this error occurs when a row level trigger attempts to read or write the table from which the trigger was triggered. Fortunately, the same restriction does not apply in declaration-level triggers. In this post, I demonstrate the type of scenario that will lead to ORA-04091 errors. Then show the traditional solution, using a collection defined in a package. Then I demonstrate how to use the composite trigger, added to Oracle Database 11g Release1, to solve the much simpler problem. All the code shown in this example can be found in this LiveSQL script. How to get a mutant table error I have to implement this rule on my employees' table: Your new salary can't be mo This question rolled into my In Box today: In the case of using the LIMIT bulk collection clause, how do we decide what value to use for the limit? First I give the quick reply, then I support for that Start Quick response with 100. This is the default setting (and only) for loop cursor optimizations. It offers an improved performance sweet spot on PGA memory consumption row by row and not too much. Test to see if this is fast enough (it will probably be for many cases). If not, try higher values until you reach the level of performance you need and don't consume too much PGA memory. Do not encode the limit value: make it a parameter for your subprogramme or a constant in a package specification. Don't put anything in the collection you don't need. [by Giulio Dottorini] Remember: Each session running this code will use this amount of memory. Background When using BULK COLLECT, retrieve more than row with each get, a Twitter tracker recently asked for more information about user-defined types in the PL/SQL language, and I checked that the best way to respond is to offer this bloc.PL/SQL entry is a heavily written language. Before being able to work with variable or constant, must be declared with a type (yes, PL/SQL also supports

many implicit conversions from one type to another, but still, everything must be declared with a type). PL/SQL offers a wide range of type of predefined data, both in the native language (such as VARCHAR2, PLS\_INTEGER, BOOLEAN, etc.) and in a variety of packages supplied (for example, the type of NUMBER, TABLE collection in the DBMS\_SQL package). PL/SQL data types can be scalar, such as strings and numbers, or composites (consisting of one or more scalars), such as record types, collection types, and object types. You really can't declare your own user-defined scalars, although you can define subtypes of these scalars, which can be very useful from the p

Steven Feuerstein is considered one of the world's leading experts in the Oracle PL/SQL language, having written ten books on PL/SQL, including Oracle PL/SQL Programming and Oracle PL/SQL Best Practices (all published by O'Reilly). She has also published her first children's book: e. Steven has been developing software since 1980, spent five years with Oracle (1987-1992), and served as PL/SQL Evangelist for Quest Software (and then Dell) from January 2001 to February 2014. He is director of Oracle ACE and writes regularly for Oracle magazine, which named him PL/SQL developer of the year in both 2002 and 2006. He is also the first recipient of the ODTUG Lifetime Achievement Award (2009). Steven's latest initiative is the PL/SQL Challenge ( ), a daily PL/SQL developer questionnaire; hundreds of programmers play every day. Take a hit and join in the fun! Steven's online technical cyberman is in [www.ToadWorld.com/SF](http://www.ToadWorld.com/SF). He can also catch up on his latest, mostly non-PLSQL rants in . Bill Pribyl is the lead author of Learning Oracle PL/SQL and co-author of Oracle PL/SQL Programming and his companion pocket reference, all from O'Reilly Media. He is strangely proud to have used PL/SQL to write TCP/IP network clients, tnsping callouts, commodity price chargers almost in real time, and transcendental functions. Bill, a physics graduate from Rice University, is the former editor of the technical journal IOUG (Select) and former president of the South Central Oracle Users Group. At home with his family in Houston, Texas, Bill's current non-billable titles include Webmaster for his neighborhood civic club, IT Guy for his son's Boy Scout troop, and Eucharistic worship coordinator for his church. Visit Bill's company in . Title Oracle PL/SQL Programming, 5th Edition Author(s) Steven Feuerstein, Bill Pribyl Editor: O'Reilly Media; Fifth edition (October 1, 2009) Paperback 1232 pages eBook HTML and PDF Language: English ISBN-10:0596514468 ISBN-13: 978-0596514464 Share This: Book Description This book is the pl/SQL, considered throughout the database community as the best Oracle programming book available. Like its predecessors, this fifth edition of PL/SQL programming covers the basics of language, advanced coding techniques and best practices for using Oracle's powerful procedural language. Updated in depth by Oracle Database 11g Release 2, this edition reveals new PL/SQL features and provides extensive code samples, ranging from simple examples to complex and comprehensive applications, in the book and on the complementary website. About the authors Steven Feuerstein is considered one of the world's leading experts in the Oracle PL/SQL language. He is the author or co-author of Oracle PL/SQL Programming, Oracle PL/SQL Best Practices, Oracle PL/SQL Programming: Guide to Oracle8i Features, Oracle PL/SQL Developer's Workbook, Oracle Built-in Packages, Advanced Oracle PL/SQL Programming with Packages, and several pocket reference books (all by O'Reilly & Associates). Steven is a senior technology adviser with Quest Software, has been developing software since 1980, and worked for Oracle Corporation from 1987 to 1992. Bill Pribyl is the lead author of Learning Oracle PL/SQL and co-author of Oracle PL/SQL Programming and his companion pocket reference, all from O'Reilly Media. Comments and rating: Amazon Amazon (Oracle 12c) Related book categories: Read and download links: Similar books: © 1996-2015, Amazon.com, Inc. or its subsidiaries Utilizziamo and cookie di propilazione, anche di terze parti, per migliorare la navigazione, per fornire servizi e proporti pubblicità con le tue preferenze. Se vuoi saperne di più o negare il consenso a tutti o ad alcuni cookie clicks who. Chiudendo questo banner o proseguendo nella navigazione acconsenti all'uso dei cookie. X Get Learning Oracle PL / SQL now with O'Reilly online learning. O'Reilly members experience live online training, as well as books, videos and digital content from more than 200 publishers. PL/SQL, Oracle's programming language for stored procedures, offers a world of possibilities for its database programs. PL/SQL complements standard relational database language, SQL, with a wide range of procedural features, including loops, IF-THEN statements, advanced data structures and rich transactional control - all closely integrated with the Oracle database server. Knowing where to start with Oracle's procedural language isn't always obvious to a newcomer, especially given the set of language features and the sheer size of official documentation (not to mention the ever-increasing number of Pre-Built PL/SQL Oracle programs). But Learning Oracle PL/SQL offers the signals and guidance you need to reach the speed in the language, delivered on a manageable number of pages while covering all the elements Topics include: PL/SQL – what is it, and why use it? Why use PL/SQL instead of Java? Syntax and examples of all basic language constructions Creating, using and reusing stored procedures, functions and packagesConstructing web-based using pl/SQL features available out of the box (such as PL/SQL Server Pages)Securing PL/SQL programs against attackBenefits of third-party developer tools and integrated development environmentsConnecting PL/SQL to email, Java, and the Internet Meticulously crafted with all-new examples downloadable from [examples.oreilly.com/learnoracle](http://examples.oreilly.com/learnoracle), the book addresses linguistic features available in all versions of Oracle, from Oracle7 to Oracle8i to Oracle9i. Learning Oracle PL/SQL was written by PL/SQL experts Bill Pribyl and Steven Feuerstein, style and attention to detail has made other O'Reilly books (such as the best-selling Oracle PL/SQL Programming) very popular with Oracle developers worldwide. Oracle PL/SQL learning is designed for a wide range of target audiences, including both initial and already experienced programmers with other programming languages. Whether you're a new developer, a crossover programmer from another database system, or a new database manager who needs to learn PL/SQL, this book will get you right on your way. It is the perfect introduction to Oracle PL/SQL Programming, also by Pribyl and Feuerstein. Jordi.

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