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Nota di contenuto	Front Cover; Oracle Database Programming Using Java and Web Services; Copyright Page; Contents; Foreword; Preface; Introduction; Acknowledgments; Part I: Java in the Database; Chapter 1. Stored Procedures as Database Programming Model; 1.1 Rationale for Stored Procedures; 1.2 Obstacles to the Adoption of Stored Procedures; 1.3 Languages for Stored Procedures; 1.4 PL/SQL or Java; Chapter 2. OracleJVM: Under the Hood; 2.1 Design Goals and Architecture; 2.2 Java Memory Management; 2.3 Security in OracleJVM; 2.4 Java VM Life Cycle; 2.5 Java Execution in the Database 2.6 The Native Java Compiler (NCOMP)2.7 Conclusion; Chapter 3. Developing and Running Java in the Database; 3.1 Developing Java in the Database; 3.2 Turning Java in the Database into Stored Procedures; 3.3 Mapping SQL and PL/SQL Types to/from Java Types; 3.4 Invoking Java in the Database; 3.5 Managing Java in the Database; Chapter 4. Pragmatic Applications Using Java in the Database; 4.1 CNXO: Secure Credit Card Processing with Oracle and JSSE; 4.2 Using J2EE and Java in the Database Together; 4.3 JDBC Call-Out to Non-Oracle Databases 4.4 SAP Java Connector: Accessing the SAP System from the Oracle Database4.5 Excel-like Expression Parser in the Database; Chapter 5.

Database Scripting Using Non-Java Languages; 5.1 Why Contemplate Non-Java Languages for the Database?; 5.2 Database Scripting with OracleJVM-Just for Fun!; Part II. Java Persistence and Java SQL Data Access; Chapter 6. Introducing the JDBC Technology and Oracle's Implementation; 6.1 JDBC Primer; 6.2 Overview of JDBC Specifications; 6.3 Architecture and Packaging of Oracle JDBC Drivers; Chapter 7. URL, DataSource, Connection, and Statements; 7.1 JDBC URL 7.2 DataSources7.3 Connections and Connection Services; 7.4 JDBC Statements and Oracle Extensions; Chapter 8. SQL Data Access and Manipulation; 8.1 Key Metadata in JDBC; 8.2 Manipulating Oracle Data Types with JDBC; 8.3 Result Set Support in Oracle JDBC; 8.4 RowSet; 8.5 Conclusion; Chapter 9. JDBC Quality of Services and Best Practices; 9.1 Transaction Services; 9.2 Security Services; 9.3 Tips and Best Practices; 9.4 Conclusion; Part III: Oracle Database Programming with SQLJ; Chapter 10. Introducing the SQLJ Technology and Oracle's Implementation; 10.1 Overview; 10.2 SQLJ in the Database Chapter 11. The SQLJ Language and Oracle Extensions11.1 Declaration Statements; 11.2 Executable Statements; 11.3 Expressions in SQLJ; 11.4 Interoperability: Using SQLJ and JDBC Together; 11.5 Conclusion; Chapter 12. SQLJ Data Access and Best Practices; 12.1 Manipulating Oracle SQL and PL/SQL Data Types with SQLJ; 12.2 SQLJ Best Practices; 12.3 Conclusion; Part IV: Oracle Database Programming with JPublisher; Chapter 13. Abridged Oracle JPublisher; 13.1 Why JPublisher?; 13.2 Overview; 13.3 JPublisher In Action; 13.4 Conclusion; Part V: Programming the Oracle Database with Web Services Chapter 14. Web Services and SOA for DBA, Data Architects, and Others

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## Sommario/riassunto

The traditional division of labor between the database (which only stores and manages SQL and XML data for fast, easy data search and retrieval) and the application server (which runs application or business logic, and presentation logic) is obsolete. Although the book's primary focus is on programming the Oracle Database, the concepts and techniques provided apply to most RDBMS that support Java including Oracle, DB2, Sybase, MySQL, and PostgreSQL. This is the first book to cover new Java, JDBC, SQLJ, JPublisher and Web Services features in Oracle Database 10g Release 2 (the coverage starts wi

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