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Nota di contenuto	Beginning SQL; About the Authors; Credits; Contents; Acknowledgments; Introduction; Who This Book Is For; What This Book Covers; How This Book Is Structured; What You Need to Use This Book; Conventions; Source Code; Errata; p2p. wrox. com; Chapter 1: Introduction to SQL; A Brief History of Databases; Structured Query Language (SQL); Database Creation; Creating, Altering, and Deleting Tables; Good Database Design; Creating the Example Database; Summary; Exercises; Chapter 2: Entering Information; Inserting New Data; Inserting Data into the Case Study Database; Updating Data; Deleting Data SummaryExercises; Chapter 3: Extracting Information; The SELECT Statement; Logical Operators and Operator Precedence; Ordering Results with ORDER BY; Selecting Data from More Than One Table; Introducing NULL Data; Summary; Exercises; Chapter 4: Advanced Database Design; Normalization; Ensuring Data Validity with Constraints; Speeding Up Results with Indexes; Summary; Exercises; Chapter 5: Manipulating Data; Understanding SQL Arithmetic; Introducing String Functions; Converting Different Data Types; Re-examining NULL; Using INSERT INTO with the SELECT Statement; Summary; Exercises

Chapter 6: Grouping and Aggregating Data Grouping Results; Summarizing and Aggregating Data; Using the HAVING Clause with GROUP BY Statements; Summary; Exercises; Chapter 7: Selecting Data from Different Tables; Joins Revisited; Combining Results Sets with the UNION Operator; Summary; Exercises; Chapter 8: Queries within Queries; Subquery Terminology; Subqueries in a SELECT List; Subqueries in the WHERE Clause; Operators in Subqueries; Correlated Subquery; Subqueries Used with Other Statements; Summary; Exercises; Chapter 9: Advanced Queries; Updating the Database; Tackling Difficult Queries
Top Tips for Efficient Queries Summary; Exercises; Chapter 10: Views; Introducing Views; Summary; Exercises; Chapter 11: Transactions; Introducing Transactions; Transaction Logs; Locks; Isolation Levels; Problem Examples; Revisiting the Example Code; Summary; Exercises; Chapter 12: SQL Security; Security Concepts; Summary; Exercises; Chapter 13: Database Tuning; Tuning Hardware; Tuning SQL; Tuning Tips; Summary; Exercises; Appendix A: Exercise Answers; Chapter 1; Chapter 2; Chapter 3; Chapter 4; Chapter 5; Chapter 6; Chapter 7; Chapter 8; Chapter 9; Chapter 10; Chapter 11; Chapter 12
Chapter 13 Appendix B: Setting Up and Using the Five Database Systems; Installing and Using MySQL Version 4.1; Installing and Using IBM DB2; Installing and Using Microsoft Access XP; Installing and Using Microsoft SQL Server 2000; Installing and Using Oracle 10g; Appendix C: Initial Data Setup; Category Table; MemberDetails Table; Location Table; FavCategory Table; Films Table; Attendance Table; Index

Sommario/riassunto

Taking readers through the basics of the language, right up to some more advanced topics, this book is a practical, hands-on resource and aims to keep the reader involved at all times Focuses on the SQL standard and is loaded with detailed examples and code; each chapter includes practice exercises that readers can challenge themselves with before looking at the sample solutions in the appendix Paul Wilton is a successful Wrox "Beginning" book author and is an ideal author to write for those who want a firm grasp of standard SQL before learning the details specific to a particu
