Título:

Autor: **Precio:** $2304.00

Editorial: **Año:** 2010

Tema: **Edición:** 5ª

Sinopsis   **ISBN:** 9780321523068

This best-selling text introduces the theory behind databases in a concise yet comprehensive manner, providing database design methodology that can be used by both technical and non-technical readers. The methodology for relational Database Management Systems is presented in simple, step-by-step instructions in conjunction with a realistic worked example using three explicit phases-conceptual, logical, and physical database design.

The Fifth Edition brings Web and legal issues to the fore in two new chapters, Database Architectures and the Web and Professional, Legal, and Ethical Issues. Students are exposed not only to the foundational theory of databases but also to the most recent developments in the field.

This book is ideal for a one- or two-term course in database management or database design in an undergraduate or graduate level course. With comprehensive coverage, this book can also be used as a reference for IT professionals.

Features
Database design methodology is explicitly divided into three phases based on the widely accepted Entity-Relationship model: conceptual, logical, and physical. Each phase is described in a separate chapter with an example of the methodology working in practice.
A clear and easy-to-understand presentation supports student learning and retention: definitions are highlighted clearly, chapter objectives are stated succinctly, and chapters are summarized completely.
Numerous examples and diagrams throughout each chapter illustrate the main concepts, and a realistic case study is integrated throughout the book.
Extensive treatment of SQL in three tutorial style chapters, covering both interactive and embedded SQL.
Extensive treatment of the Web as an emerging platform for database applications with many code samples for accessing databases from the Web including JDBCÖ, SQLJ, ASP, ISP, and Oracle® PSP.

New to this Edition

Web-related issues are covered early in a new Chapter 3, Database Architectures and the Web.

A new chapter on professional ethics-Chapter 20, Professional, Legal, and Ethical Issues-introduces students to common topics of concern for databases.

A new appendix-Appendix E, Introduction to Pyrrho-presents the lightweight open-source RDBMS written in C# that fully complies with the SQL:2003 standards. Because Pyrrho supports XML, XQuery, RDF, and SPARQL, students see how an RDBMS is implemented and experience SQL:2003 queries, XQuery queries, and SPARQL queries.

Review questions and exercises are fully revised.

All screenshots are updated with the latest versions of featured technology (Access® 2007, Oracle 12, SQL Server 2007 Analytical Services).