

# The Berkeley Db Java Edition Collections Tutorial

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Advances in Databases McGraw Hill Professional

This book constitutes the refereed proceedings of the 13th International Conference on Database Systems for Advanced Applications, DASFAA 2008, held in New Delhi, India, in March 2008. The 30 revised full papers and 27 revised short papers presented together with the abstracts of 3 invited talks as well as 8 demonstration papers and a panel discussion motivation were carefully reviewed and selected from 173 submissions. The papers are organized in topical sections on XML schemas, data mining, spatial data, indexes and cubes, data streams, P2P and transactions, XML processing, complex pattern processing, IR techniques, queries and transactions, data mining, XML databases, data warehouses and industrial applications, as well as mobile and distributed data.

**The Berkeley DB Book** Springer Science & Business Media

This book constitutes the refereed proceedings of the 31st International Conference on Conceptual Modeling, ER 2012, held in Florence, Italy, in October 2012. The 24 regular papers presented together with 13 short papers, 6 poster papers and 3 keynotes were carefully reviewed and selected from 141 submissions. The papers are organized in topical sections on understandability and cognitive approaches; conceptual modeling for datawarehousing and business intelligence; extraction, discovery and clustering; search and documents; data and process modeling; ontology based approaches; variability and evolution; adaptation, preferences and query refinement; queries, matching and topic search; and conceptual modeling in action.

**Databases on Linux** Springer

This book constitutes the refereed proceedings of the 8th International Symposium on Software Composition, SC 2009, held in Zurich, Switzerland, in July 2009. The workshop has been organized as an event co-located with the TOOLS Europe 2009 conference. The 10 revised full papers presented together with 2 invited lectures were carefully reviewed and selected from 34 submissions. The papers reflect current research in software composition to foster developing of composition models and techniques by using aspect- and service-oriented programming, specification of component contracts and protocols, methods of correct components composition, as well as verification, validation and testing techniques - even in pervasive computing environments and for the Web.

**Provenance and Annotation of Data and Processes** Springer

This two-volume-set (LNCS 8384 and 8385) constitutes the refereed proceedings of the 10th International Conference of Parallel Processing and Applied Mathematics, PPAM 2013, held in Warsaw, Poland, in September 2013. The 143 revised full papers presented in both volumes were carefully reviewed and selected from numerous submissions. The papers cover important fields of parallel/distributed/cloud computing and applied mathematics, such as numerical algorithms and parallel scientific computing; parallel non-numerical algorithms; tools and environments for parallel/distributed/cloud computing; applications of parallel computing; applied mathematics, evolutionary computing and metaheuristics.

**Mastering DynamoDB** John Wiley & Sons

Many databases today capture both, structured and unstructured data. Making use of such hybrid data has become an important topic in research and industry. The efficient evaluation of hybrid data queries is the main topic of this thesis. Novel techniques are proposed that improve the whole processing pipeline, from indexes and query optimization to run-time processing. The contributions are evaluated in extensive experiments showing that the proposed techniques improve upon the state of the art.

**Oracle Essentials** Springer

This book constitutes the thoroughly refereed post-conference proceedings of the 28th British National Conference on Databases, BNCOD 28, held in Manchester, UK, in July 2011. The 13 revised full papers, 2 short papers, 2 demo papers and 1 poster paper presented together with the abstracts of 2 keynote talks and 1 tutorial paper were carefully reviewed and selected from 44 submissions. The papers cover a wide range of topics such as XML compression, XML updates, column-oriented stores, provenance, warehousing, streamed data, data mashups, dataspace, sensor network query processing, and pattern-oriented search.

**Advances in Swarm Intelligence** Springer Science & Business Media

This book constitutes the refereed proceedings of the 12th International Conference on Software Reuse, ICSR 2011, held in Pohang, South Korea, in June 2011. The 16 revised full papers were carefully reviewed and selected from 43 submissions. They are presented together with one keynote, three workshop papers, a doctoral symposium report and two tutorials. Topics of interest are domain analysis and modeling; asset search and retrieval; architecture-centric approaches to reuse; component-based reuse; COTS-based development; generator-based techniques; domain-specific languages; testing in the context of software reuse; aspect-oriented techniques; model-driven development; reuse of non-code artifacts; reengineering for reuse; software product line techniques; quality-aspects of reuse; economic models of reuse; benefit and risk analysis, scoping; legal and managerial aspects of reuse; transition to software reuse; industrial experience with reuse; light-weight approaches; software evolution and reuse.

**Oracle Coherence 3.5** Apress

This book teaches the basics of XML with an original approach, using real-world examples from an interesting (and operating) environment with broad applicability. It covers the full spectrum

of Berkeley DB XML tools, including the command-line shell, transactions, rollbacks, replication, archiving and monitoring. Techniques and concepts that have broad applicability outside of the subject matter are skillfully explained: XML, XPath, XQuery, XML schemas, all industry-standard technologies that find one of their best tutorial treatments, and all in the context of a simple database solution. The book also presents a remarkable example of query power.

**Parallel Processing and Applied Mathematics** Springer  
According to Francois Bancillon and Won Kim [SIGMOD RECORD, Vol. 19, No. 4, December 1990], object-oriented databases started in around 1983. Twenty-seven years later this publication contains the proceedings of the Third International Conference on Object-Oriented Databases (ICOODB 2010). Two questions arise from this – why only the third, and what is of interest in the field of object-oriented databases in 2010? The first question is easy – in the 1980s and 1990s there were a number of conferences supporting the community – the International Workshops on Persistent Object Systems started by Malcolm Atkinson and Ron Morrison, the EDBT series, and the International Workshop on Database Programming Languages. These database-oriented conferences complimented other OO conferences including OOPSLA and ECOOP, but towards the end of the last century they dwindled in popularity and eventually died out. In 2008 the First International Conference on Object Databases was held in Berlin. In 2009 the second ICOODB conference was held at the ETH in Zurich as a scientific peer-reviewed conference. What is particular about ICOODB is that the conference series was established to address the needs of both industry and researchers who had an interest in object databases, in innovative ways to bring objects and databases together and in alternatives/extensions to relational databases. The first conference set the mould for those to follow – a combination of theory and practice with one day focusing on the theory of object databases and the second focusing on their practical use and implementation.

*Software Composition* Packt Publishing Ltd

This book teaches the basics of XML with an original approach, using real-world examples from an interesting (and operating) environment with broad applicability. It covers the full spectrum of Berkeley DB XML tools, including the command-line shell, transactions, rollbacks, replication, archiving and monitoring. Techniques and concepts that have broad applicability outside of the subject matter are skillfully explained: XML, XPath, XQuery, XML schemas, all industry-standard technologies that find one of their best tutorial treatments, and all in the context of a simple database solution. The book also presents a remarkable example of query power.

**Pro Oracle Identity and Access Management Suite** NOITE S.C.

While standardization has empowered the software industry to substantially scale software development and to provide affordable software to a broad market, it often does not address smaller market segments, nor the needs and wishes of individual customers. Software product lines reconcile mass production and standardization with mass customization in software engineering. Ideally, based on a set of reusable parts, a software manufacturer can generate a software product based on the requirements of its customer. The concept of features is central to achieving this level of automation, because features bridge the gap between the requirements the customer has and the functionality a product provides. Thus features are a central concept in all phases of product-line development. The authors take a developer's viewpoint, focus on the development, maintenance, and implementation of product-line variability, and especially concentrate on automated product derivation based on a user's feature selection. The book consists of three parts. Part I provides a general introduction to feature-oriented software product lines, describing the product-line approach and introducing the product-line development process with its two elements of domain and application engineering. The pivotal part II covers a wide variety of implementation techniques including design patterns, frameworks, components, feature-oriented programming, and aspect-oriented programming, as well as tool-based approaches including preprocessors, build systems, version-control systems, and virtual separation of concerns. Finally, part III is devoted to advanced topics related to feature-oriented product lines like refactoring, feature interaction, and analysis tools specific to product lines. In addition, an appendix lists various helpful tools for software product-line development, along with a description of how they relate to the topics covered in this book. To tie the book together, the authors use two running examples that are well documented in the product-line literature: data management for embedded systems, and variations of graph data structures. They start every chapter by explicitly stating the respective learning goals and finish it with a set of exercises; additional teaching material is also available online. All these features make the book ideally suited for teaching – both for academic classes and for professionals interested in self-study.

*The Definitive Guide to Berkeley DB XML* Pearson Deutschland GmbH

This book constitutes the refereed proceedings of the 5th International XML Database Symposium, XSym 2007, held in Vienna, Austria, in September 2007 in conjunction with the International Conference on Very Large Data Bases, VLDB 2007. The papers cover all current aspects of core database technology for XML data management, XML and data integration, and development and deployment of XML applications.

**The Definitive Guide to Berkeley DB XML** Packt Publishing Ltd

This book constitutes the refereed proceedings of the 11th IFIP WG 6.1 International Conference on Distributed Applications and Interoperable Systems, DAIS 2011, held in Reykjavik, Iceland, in June 2011 as one of the DisCoTec 2011 events. The 18 revised full papers and 6 short papers presented were carefully reviewed and selected from 55 submissions. The papers presented at DAIS 2011 address key challenges of modern distributed services and applications, including pervasiveness and peer-to-peer environments, and tackle issues related to adaptation, interoperability, availability and performance, as well as dependability and security.

*Efficient Optimization and Processing of Queries Over Text-rich Graph-structured Data* KIT Scientific Publishing

This two-volume-set (LNCS 7203 and 7204) constitutes the refereed proceedings of the 9th International Conference on Parallel Processing and Applied Mathematics, PPAM 2011, held in Torun, Poland, in September 2011. The 130 revised full papers presented in both volumes were carefully reviewed and selected from numerous submissions. The papers address issues such as parallel/distributed architectures and mobile computing; numerical algorithms and parallel numerics; parallel non-numerical algorithms; tools and environments for parallel/distributed/grid computing; applications of parallel/distributed computing; applied mathematics, neural networks and evolutionary computing; history of computing.

**Pattern and Data Analysis in Healthcare Settings** Springer Science & Business Media

Since its inception in 1997, the European Conference on Research and Advanced Technology for Digital Libraries (ECDL) has come a long way, creating a strong interdisciplinary community of researchers and practitioners in the field of digital libraries. We are proud to present the proceedings of ECDL 2005, the ninth conference in this series, which, following Pisa (1997), Heraklion (1998), Paris (1999), Lisbon (2000), Darmstadt (2001), Rome (2002), Trondheim (2003), and Bath (2004), took place on September 18–23, 2005 in Vienna, Austria. ECDL 2005 featured separate calls for paper and poster

submissions, resulting in 130 full papers and 32 posters being submitted to the conference. All papers were subject to a thorough peer-review process, with an 87-person-strong Program Committee and a further 68 additional reviewers from 35 countries from basically all continents sharing the tremendous review load, producing between three and four detailed reviews per paper. Based on these, as well as on the discussion that took place during a one-week on-line PC discussion phase, 41 papers were finally selected for inclusion in the conference program during a 1.5 day PC meeting, resulting in an acceptance rate of only 32%. Furthermore, 17 paper submissions were accepted for poster presentations with an additional 13 posters being accepted based on a simplified review process of 2–3 reviews per poster from the poster submission track. Both the full papers as well as extended abstracts of the posters presented at ECDL 2005 are provided in these proceedings.

### **Feature-Oriented Software Product Lines** Springer Science & Business Media

Get up to speed on the nuances of NoSQL databases and what they mean for your organization. This easy to read guide to NoSQL databases provides the type of no-nonsense overview and analysis that you need to learn, including what NoSQL is and which database is right for you. Featuring specific evaluation criteria for NoSQL databases, along with a look into the pros and cons of the most popular options, *NoSQL For Dummies* provides the fastest and easiest way to dive into the details of this incredible technology. You'll gain an understanding of how to use NoSQL databases for mission-critical enterprise architectures and projects, and real-world examples reinforce the primary points to create an action-oriented resource for IT pros. If you're planning a big data project or platform, you probably already know you need to select a NoSQL database to complete your architecture. But with options flooding the market and updates and add-ons coming at a rapid pace, determining what you require now, and in the future, can be a tall task. This is where *NoSQL For Dummies* comes in! Learn the basic tenets of NoSQL databases and why they have come to the forefront as data has outpaced the capabilities of relational databases. Discover major players among NoSQL databases, including Cassandra, MongoDB, MarkLogic, Neo4J, and others. Get an in-depth look at the benefits and disadvantages of the wide variety of NoSQL database options. Explore the needs of your organization as they relate to the capabilities of specific NoSQL databases. Big data and Hadoop get all the attention, but when it comes down to it, NoSQL databases are the engines that power many big data

analytics initiatives. With *NoSQL For Dummies*, you'll go beyond relational databases to ramp up your enterprise's data architecture in no time.

### Distributed Applications and Interoperable Systems Apress

Master Oracle NoSQL Database. Enable highly reliable, scalable, and available data. Oracle NoSQL Database: Real-Time Big Data Management for the Enterprise shows you how to take full advantage of this cost-effective solution for storing, retrieving, and updating high-volume, unstructured data. The book covers installation, configuration, application development, capacity planning and sizing, and integration with other enterprise data center products. Real-world examples illustrate the concepts presented in this Oracle Press guide. Understand Oracle NoSQL Database architecture and the underlying data storage engine, Oracle Berkeley DB. Install and configure Oracle NoSQL Database for optimal performance. Develop complex, distributed applications using a rich set of APIs. Read and write data into the Oracle NoSQL Database key-value store. Apply an Avro schema to the value portion of the key-value pair using Avro bindings. Learn best practices for capacity planning and sizing an enterprise-level Oracle NoSQL Database deployment. Integrate Oracle NoSQL Database with Oracle Database, Oracle Event Processing, and Hadoop. Code examples from the book are available for download at [www.OraclePressBooks.com](http://www.OraclePressBooks.com).

### **Data Management. Data, Data Everywhere** Apress

This book constitutes the thoroughly refereed post-workshop proceedings of nine international workshops held in Hoboken, NJ, USA, in conjunction with the 8th International Conference on Business Process Management, BPM 2010, in September 2010. The nine workshops focused on Reuse in Business Process Management (rBPM 2010), Business Process Management and Sustainability (SusBPM 2010), Business Process Design (BPD 2010), Business Process Intelligence (BPI 2010), Cross-Enterprise Collaboration, People, and Work (CEC-PAW 2010), Process in the Large (IW-PL 2010), Business Process Management and Social Software (BPMS2 2010), Event-Driven Business Process Management (edBPM 2010), and Traceability and Compliance of Semi-Structured Processes (TC4SP 2010). In addition, three papers from the special track on Advances in Business Process Education are also included in this volume. The overall 66 revised full papers presented were carefully reviewed and selected from 143 submissions.

### Oracle NoSQL Database Springer

"An Introduction to XML Query Processing and Keyword Search" systematically and comprehensively covers the latest advances in XML data searching. It presents an extensive overview of the current query processing and keyword search

techniques on XML data, including XML labeling schemes, indexing, processing on order and un-order XML tree patterns, XML query optimization, results estimation, and XML keyword searches, which are elaborated in separate chapters. Graduate students and researchers in the field of XML data searching will find this book an invaluable resource. Prof. Jiaheng Lu is an associate professor at Renmin University of China's School of Information.

### **Distributed Applications and Interoperable Systems** Springer

Small, special-purpose computing devices and high-end core Internet servers need fast, reliable database management. Berkeley DB is an embedded database that provides high-performance, scalable, transaction-protected and recoverable data management services to applications. Extremely portable, this library runs under almost all UNIX and Windows variants, as well as a number of embedded, real-time operating systems. Berkeley DB is the ultimate resource for the world's most widely deployed embedded database engine. This book will aid software architects and engineers, product managers, and systems and network administrators without the overhead imposed by other database products. Designed by programmers for programmers, this classic library style toolkit provides a broad base of functionality to application writers. This book will help you to make intelligent choices about when and how to use Berkeley DB to meet your needs. You can visit the Sleepycat website to get the latest errata for this book. NOTE: The first printing of this book contained an error in the table of contents that caused the page numbers to be off. This will be corrected in the second printing. If you have an earlier edition, you can download a pdf of the correct table of contents that you can print out and use with your book. If you have any questions, please feel free to contact the editor of this book at [stephanie.wall@newriders.com](mailto:stephanie.wall@newriders.com).