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Fundamentals of Database Systems **Fundamentals of Database Systems** **Fundamentals of Database Systems** **Operating Systems** **Advances in Conceptual Modeling - Theory and Practice** **Entity-Relationship Approach - ER '93** **Pattern Languages of Program Design** *Research and Advanced Technology for Digital Libraries* **Fundamental of Database Management System** *Conceptual Modeling -*

ER '98 **Principles of Distributed Database Systems** *OOIS 2001* **Database Systems For Advanced Applications '95 - Proceedings Of The Fourth International Conference** **Principles of Database Management** **Wireless Sensor and Actor Networks** **II Conceptual Modeling - ER 2002** **Quality-Driven Query Answering for Integrated Information Systems** *Readings in Database Systems*

Database Systems **Transactional Information Systems** **Statics** Handbook of Data Intensive Computing **Handbook on Ontologies** **C, C++, Java, Python, PHP, JavaScript and Linux For Beginners** Linux Commands, C, C++, Java and Python Exercises For Beginners Ontology Matching A First Course in Database Systems Database Systems: The Complete Book Dissertation Abstracts International

Services and Business Computing Solutions with XML
Proceedings of the National Conference on Computing for Nation Development **Research and Advanced Technology for Digital Libraries**
Principles of Measurement Systems *Multimedia Database Management Systems* **Annual Commencement** *Building Java Programs Knowledge Graphs Software Architecture*
Readings in Agents
Proceedings

Proceedings Aug 29 2019
Software Architecture Oct 31 2019
Introduction.
Architectural styles. Case studies. Shared information systems. Architectural design

guidance. Formal models and specifications. Linguistics issues. Tools for architectural design. Education of software architects.

Knowledge Graphs Dec 02 2019 This book provides a comprehensive and accessible introduction to knowledge graphs, which have recently garnered notable attention from both industry and academia. Knowledge graphs are founded on the principle of applying a graph-based abstraction to data, and are now broadly deployed in scenarios that require integrating and extracting value from multiple, diverse sources of data at large scale. The book defines knowledge

graphs and provides a high-level overview of how they are used. It presents and contrasts popular graph models that are commonly used to represent data as graphs, and the languages by which they can be queried before describing how the resulting data graph can be enhanced with notions of schema, identity, and context. The book discusses how ontologies and rules can be used to encode knowledge as well as how inductive techniques—based on statistics, graph analytics, machine learning, etc.—can be used to encode and extract knowledge. It covers techniques for the creation, enrichment, assessment, and

refinement of knowledge graphs and surveys recent open and enterprise knowledge graphs and the industries or applications within which they have been most widely adopted. The book closes by discussing the current limitations and future directions along which knowledge graphs are likely to evolve. This book is aimed at students, researchers, and practitioners who wish to learn more about knowledge graphs and how they facilitate extracting value from diverse data at large scale. To make the book accessible for newcomers, running examples and graphical notation are used throughout. Formal definitions

and extensive references are also provided for those who opt to delve more deeply into specific topics.

Fundamental of Database Management System Apr 29 2022 Designed to provide an insight into the database concepts DESCRIPTION Book teaches the essentials of DBMS to anyone who wants to become an effective and independent DBMS Master. It covers all the DBMS fundamentals without forgetting few vital advanced topics such as from installation, configuration and monitoring, up to the backup and migration of database covering few database client tools. KEY FEATURES Book contains real-

time executed commands along with screenshot Parallel execution and explanation of Oracle and MySQL Database commands A Single comprehensive guide for Students, Teachers and Professionals Practical oriented book WHAT WILL YOU LEARN Relational Database,Keys Normalization of database SQL, SQL Queries, SQL joins Aggregate Functions,Oracle and Mysql tools WHO THIS BOOK IS FOR Students of Polytechnic Diploma Classes- Computer Science/ Information Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students—Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S.

Industry Professionals-
Preparing for Certifications
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Database management system
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operators 7. Introduction to
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Exercise

Principles of Database

Management Nov 24 2021
Introductory, theory-practice
balanced text teaching the
fundamentals of databases to

advanced undergraduates or
graduate students in
information systems or
computer science.

C, C++, Java, Python, PHP, JavaScript and Linux For

Beginners Jan 15 2021 An
ideal addition to your personal
elibrary. With the aid of this
indispensable reference book,
you may quickly gain a grasp of
Python, Java, JavaScript, C,
C++, CSS, Data Science,
HTML, LINUX and PHP. It can
be challenging to understand
the programming language's
distinctive advantages and
charms. Many programmers
who are familiar with a variety
of languages frequently
approach them from a
constrained perspective rather

than enjoying their full
expressivity. Some
programmers incorrectly use
Programmatic features, which
can later result in serious
issues. The programmatic
method of writing
programs—the ideal approach
to use programming
languages—is explained in this
book. This book is for all
programmers, whether you are
a novice or an experienced pro.
Its numerous examples and
well paced discussions will be
especially beneficial for
beginners. Those who are
already familiar with
programming will probably
gain more from this book, of
course. I want you to be
prepared to use programming

to make a big difference.

Handbook on Ontologies Feb

13 2021 An ontology is a description (like a formal specification of a program) of concepts and relationships that can exist for an agent or a community of agents. The concept is important for the purpose of enabling knowledge sharing and reuse. The Handbook on Ontologies provides a comprehensive overview of the current status and future prospectives of the field of ontologies. The handbook demonstrates standards that have been created recently, it surveys methods that have been developed and it shows how to bring both into practice of

ontology infrastructures and applications that are the best of their kind.

Principles of Measurement

Systems Apr 05 2020

Statics Apr 17 2021 Over the past 50 years, Meriam & Kraige's Engineering Mechanics: Statics has established a highly respected tradition of excellence—a tradition that emphasizes accuracy, rigor, clarity, and applications. Now in a Sixth Edition, this classic text builds on these strengths, adding a comprehensive course management system, Wiley Plus, to the text, including an e-text, homework management, animations of concepts, and additional teaching and

learning resources. New sample problems, new homework problems, and updates to content make the book more accessible. The Sixth Edition continues to provide a wide variety of high quality problems that are known for their accuracy, realism, applications, and variety motivating students to learn and develop their problem solving skills. To build necessary visualization and problem-solving skills, the Sixth Edition continues to offer comprehensive coverage of drawing free body diagrams—the most important skill needed to solve mechanics problems. [Handbook of Data Intensive Computing](#) Mar 17 2021 Data

Intensive Computing refers to capturing, managing, analyzing, and understanding data at volumes and rates that push the frontiers of current technologies. The challenge of data intensive computing is to provide the hardware architectures and related software systems and techniques which are capable of transforming ultra-large data into valuable knowledge. Handbook of Data Intensive Computing is written by leading international experts in the field. Experts from academia, research laboratories and private industry address both theory and application. Data intensive computing demands a

fundamentally different set of principles than mainstream computing. Data-intensive applications typically are well suited for large-scale parallelism over the data and also require an extremely high degree of fault-tolerance, reliability, and availability. Real-world examples are provided throughout the book. Handbook of Data Intensive Computing is designed as a reference for practitioners and researchers, including programmers, computer and system infrastructure designers, and developers. This book can also be beneficial for business managers, entrepreneurs, and investors. *Fundamentals of Database*

Systems Jan 07 2023 This book combines clear explanations of theory and design, broad coverage of models and real systems, and excellent examples with up-to-date introductions to modern database technologies. Now in its third edition, this book has been revised and updated to reflect the latest trends in technological and application development. - Introduces UML modeling and how it is used right alongside ER modeling. - Provides updated and expanded material on SQL including a new chapter, which discusses Web databases and SQL, including JDBC/ODBC. - Applies ideas from the book to a fully-developed case study

that implements the data needed to design a bookstore. - Expanded coverage of important database topics like security, data warehousing, and data mining. - A new chapter featuring the relationship to XML and Internet databases keeps students on the edge of database technology. - Gives examples of real database systems. - Provides coverage of the object-oriented and object/relational approach to data management. - Includes discussion of decision support applications of data warehousing and data mining, as well as emerging technologies of web databases, multimedia, and mobile

databases. - Covers a *Ontology Matching* Nov 12 2020 Ontologies are viewed as the silver bullet for many applications, but in open or evolving systems, different parties can adopt different ontologies. This increases heterogeneity problems rather than reducing heterogeneity. This book proposes ontology matching as a solution to the problem of semantic heterogeneity, offering researchers and practitioners a uniform framework of reference to currently available work. The techniques presented apply to database schema matching, catalog integration, XML schema matching and more.

Database Systems For Advanced Applications '95 - Proceedings Of The Fourth International Conference
Dec 26 2021 This volume contains three keynote papers and 51 technical papers from contributors around the world on topics in the research and development of database systems, such as Data Modelling, Object-Oriented Databases, Active Databases, Data Mining, Heterogeneous Databases, Distributed Databases, Parallel Query Processing, Multi-Media Databases, Transaction Management Systems, Document Databases, Temporal Databases, Deductive Databases, User Interface, and

Advanced Database Applications.
Conceptual Modeling - ER '98
Mar 29 2022 This volume constitutes the refereed proceedings of the 17th International Conference on Conceptual Modeling, ER '98, held in Singapore, in November 1998. The 32 revised full papers presented were carefully reviewed and selected from a total of 95 submissions. The book is divided into chapters on conceptual modeling and design, user interface modeling, information retrieval on the Web, semantics and constraints, conceptual modeling tools, quality and reliability metrics, industrial experience in conceptual

modeling, object-oriented database management systems, data warehousing, industrial case studies, object-oriented approaches.

Research and Advanced Technology for Digital Libraries May 31 2022 Digital libraries (DLs) are major advances in information technology that frequently fall short of expectations [7, 28]. Covi & Kling [7] argue that understanding the wider context of technology use is essential to understanding digital library use and its implementation in different social worlds. Recent health informatics research also argues that social and organisational factors can

determine the success or failure of healthcare IT developments [8, 11, 12]. Heathfield [11] suggests that this is due to the complex, autonomous nature of the medical discipline and the specialized (clinician or software engineer) approach to system development. Negative reactions to these systems is often due to inappropriate system design and poor implementation. However, there may be other less obvious social and political repercussions of information system design and deployment. Symon et al [26] have identified, within a hospital scenario, how social structures and work practices can be

disrupted by technology implementation. Although these systems often deal with sensitive, personal information, other system design research has found that apparently innocuous data can be perceived as a threat to social and political stability [1,2,3]. To understand the impact of DLs within the medical profession, an in-depth evaluation is required of the introduction and later development of these applications within their specific social and organisational settings. However, as Covi & Kling [7] have highlighted, there are few high-level theories that aid designers in understanding the implication of these issues for

DL design and implementation.
Fundamentals of Database Systems Nov 05 2022
[Proceedings of the National Conference on Computing for Nation Development](#) Jun 07 2020

Quality-Driven Query Answering for Integrated Information Systems Aug 22 2021
The Internet and the World Wide Web (WWW) are becoming more and more important in our highly interconnected world as more and more data and information is made available for online access. Many individuals and governmental, commercial, cultural, and scientific organizations increasingly depend on information sources

that can be accessed and queried over the Web. For example, accessing flight schedules or retrieving stock information has become common practice in today's world. When accessing this data, many people assume that the information accessed is accurate and that the data source can be accessed reliably. These two examples clearly demonstrate that not only the information content is important, the information about the quality of the data becomes an even more crucial and critical aspect for individuals and organizations when they make plans or take decisions based on the results of their queries. More

precisely, having access to information of known quality becomes critical for the well-being and indeed for the functioning of modern industrialized societies. Surprisingly, despite the urgent need for clear concepts and techniques to judge and value quality and for technology to use such (meta) information, very few scientific results are known and available. Few approaches are known to use quality measures for accessing and querying information over the Web. Only a limited number of products on the IT market address this burning problem.

Annual Commencement Feb 02 2020

Advances in Conceptual Modeling - Theory and Practice

Sep 03 2022 This book constitutes the refereed joint proceedings of seven international workshops held in conjunction with the 25th International Conference on Conceptual Modeling, ER 2006, in Tucson, AZ, USA in November 2006. The 39 revised full papers presented together with the outlines of three tutorials were carefully reviewed and selected from 95 submissions.

Readings in Agents Sep 30 2019 This book collects the most significant literature on agents in an attempt to forge a broad foundation for the field. Includes papers from the

perspectives of AI, databases, distributed computing, and programming languages. The book will be of interest to programmers and developers, especially in Internet areas.

Operating Systems Oct 04 2022 Elmasri, Levine, and Carrick's "spiral approach" to teaching operating systems develops student understanding of various OS components early on and helps students approach the more difficult aspects of operating systems with confidence. While operating systems have changed dramatically over the years, most OS books use a linear approach that covers each individual OS component in depth, which is difficult for

students to follow and requires instructors to constantly put materials in context. Elmasri, Levine, and Carrick do things differently by following an integrative or "spiral" approach to explaining operating systems. The spiral approach alleviates the need for an instructor to "jump ahead" when explaining processes by helping students "completely" understand a simple, working, functional system as a whole in the very beginning. This is more effective pedagogically, and it inspires students to continue exploring more advanced concepts with confidence.

Principles of Distributed Database Systems Feb 25

2022 This third edition of a classic textbook can be used to teach at the senior undergraduate and graduate levels. The material concentrates on fundamental theories as well as techniques and algorithms. The advent of the Internet and the World Wide Web, and, more recently, the emergence of cloud computing and streaming data applications, has forced a renewal of interest in distributed and parallel data management, while, at the same time, requiring a rethinking of some of the traditional techniques. This book covers the breadth and depth of this re-emerging field. The coverage consists of two

parts. The first part discusses the fundamental principles of distributed data management and includes distribution design, data integration, distributed query processing and optimization, distributed transaction management, and replication. The second part focuses on more advanced topics and includes discussion of parallel database systems, distributed object management, peer-to-peer data management, web data management, data stream systems, and cloud computing. New in this Edition: • New chapters, covering database replication, database integration, multidatabase query processing, peer-to-peer

data management, and web data management. • Coverage of emerging topics such as data streams and cloud computing • Extensive revisions and updates based on years of class testing and feedback Ancillary teaching materials are available.

Services and Business

Computing Solutions with XML

Jul 09 2020 "This book collects the latest research that describe the use and synergy between data structure technologies"--Provided by publisher.

Transactional Information

Systems May 19 2021 This book describes the theory, algorithms, and practical implementation techniques

behind transaction processing in information technology systems.

Multimedia Database

Management Systems Mar 05

2020 Multimedia Database Management Systems presents the issues and the techniques used in building multimedia database management systems.

Chapter 1 provides an overview of multimedia databases and underlines the new requirements for these applications. Chapter 2 discusses the techniques used for storing and retrieving multimedia objects. Chapter 3 presents the techniques used for generating metadata for various media objects. Chapter 4 examines the mechanisms

used for storing the index information needed for accessing different media objects. Chapter 5 analyzes the approaches for modeling media objects, both their temporal and spatial characteristics. Object-oriented approach, with some additional features, has been widely used to model multimedia information. The book discusses two systems that use object-oriented models: OVID (Object Video Information Database) and Jasmine. The models for representing temporal and spatial requirements of media objects are then studied. The book also describes authoring techniques used for specifying temporal and spatial

characteristics of multimedia databases. Chapter 6 explains different types of multimedia queries, the methodologies for processing them and the language features for describing them. The features offered by query languages such as SQL/MM (Structured Query Language for Multimedia), PICQUERY+, and Video SQL are also studied. Chapter 7 deals with the communication requirements for multimedia databases. A client accessing multimedia data over computer networks needs to identify a schedule for retrieving various media objects composing the database. The book identifies possible ways for generating a

retrieval schedule. Chapter 8 ties together the techniques discussed in the previous chapters by providing a simple architecture of a distributed multimedia database management system. Multimedia Database Management Systems can be used as a text for graduate students and researchers working in the area of multimedia databases. In addition, the book serves as essential reading material for computer professionals who are in (or moving to) the area of multimedia databases. Database Systems: The Complete Book Sep 10 2020 **Fundamentals of Database Systems** Dec 06 2022

Dissertation Abstracts International Aug 10 2020 **Conceptual Modeling - ER 2002** Sep 22 2021 For more than 20 years, the series of Conceptual Modeling - ER conferences has provided a forum for research communities and practitioners to present and - change research results and practical experiences in the ?elds of database design and conceptual modeling. Throughout the years, the scope of these conferences has extended from database design and speci?c topics of that area to more u- versal or re?ned conceptual modeling, organizing originally weak or ill-structured information or

knowledge in more cultured ways by applying various kinds of principles, abstract models, and theories, for different purposes. At the same time, many technically oriented approaches have been developed which aim to facilitate the implementation of rather advanced conceptual models. Conceptual modeling is based on the process of conceptualization, and it is the core of system structuring as well as justification for information systems development. It supports and facilitates the understanding, explanation, prediction, and reasoning on information and knowledge, and their manipulation in the systems, in

addition to understanding and designing the functions of the systems. The conceptualization process aims at constructing concepts relevant for the knowledge and information system in question. Concepts in the human mind and concept descriptions in computerized information systems are quite different things by nature, but both should be taken into account in conceptual modeling. Usually concept descriptions are properly observed, but concepts in the human mind and their properties are often neglected quite carelessly.

[A First Course in Database Systems](#) Oct 12 2020 Provides in-depth coverage of databases

from the point of view of the database designer, user, and application programmer, leaving implementation for later courses. It covers the latest database standards: SQL: 1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML.

Building Java Programs Jan 03

2020 NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and

purchases made outside of Pearson. If purchasing or renting from companies other than Pearson, the access codes for Pearson's MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. *Building Java Programs: A Back to Basics Approach*, Third Edition, introduces novice programmers to basic constructs and common pitfalls by emphasizing the essentials of procedural programming, problem solving, and algorithmic reasoning. By using objects early to solve interesting problems and defining objects later in the

course, *Building Java Programs* develops programming knowledge for a broad audience. NEW! This edition is available with MyProgrammingLab, an innovative online homework and assessment tool. Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming. 0133437302/9780133437300 *Building Java Programs: A Back to Basics Approach* plus MyProgrammingLab with Pearson eText -- Access Card Package, 3/e Package consists of: 0133360903/9780133360905 *Building Java*

Programs, 3/e 0133379787/9780133379785 MyProgrammingLab with Pearson eText -- Access Card -- for *Building Java Programs*, 3/e OOIS 2001 Jan 27 2022 Welcome to OOIS'01 and Calgary! This is the 7th International Conference on Object-Oriented Information Systems (OOIS) that focus on Object-Oriented and Web-Based Frameworks for Information Systems. In the last few years we've seen significant new development in this field, from one-off design technologies to reusable frameworks, and from web applications to bioinformatic systems. We perceive that information processing is one

of the most important activities of human beings. Object-orientation and frameworks have been the main-stream technologies for design and implementation of large-scale and complex information systems. Recent research advances and industrial innovations in information systems modeling and Internet applications have explored the new trends in shifting information system vendors from component and system developers to services providers. Users of information systems are increasingly demanding higher performance, mobility, and personalization in order to realize the dream to access and

obtain necessary information anywhere and anytime. The new development requires the investigation of new architectures, frameworks, processes, and inter-connectivity of information systems at society, organization, team, and personal levels. The OOlS'01 Proceedings has put together a program of 53 papers from leading researchers and practitioners in the field of object technology and information systems.

Pattern Languages of Program Design Jul 01 2022
Readings in Database Systems
Jul 21 2021 The latest edition of a popular text and reference on database research, with

substantial new material and revision; covers classical literature and recent hot topics. Lessons from database research have been applied in academic fields ranging from bioinformatics to next-generation Internet architecture and in industrial uses including Web-based e-commerce and search engines. The core ideas in the field have become increasingly influential. This text provides both students and professionals with a grounding in database research and a technical context for understanding recent innovations in the field. The readings included treat the most important issues in the database area--the basic

material for any DBMS professional. This fourth edition has been substantially updated and revised, with 21 of the 48 papers new to the edition, four of them published for the first time. Many of the sections have been newly organized, and each section includes a new or substantially revised introduction that discusses the context, motivation, and controversies in a particular area, placing it in the broader perspective of database research. Two introductory articles, never before published, provide an organized, current introduction to basic knowledge of the field; one discusses the history of data models and query

languages and the other offers an architectural overview of a database system. The remaining articles range from the classical literature on database research to treatments of current hot topics, including a paper on search engine architecture and a paper on application servers, both written expressly for this edition. The result is a collection of papers that are seminal and also accessible to a reader who has a basic familiarity with database systems.

Database Systems Jun 19 2021
Most modern-day organizations have a need to record data relevant to their everyday activities and many choose to

organise and store some of this information in an electronic database. Database Systems provides an essential introduction to modern database technology and the development of database systems. This new edition has been fully updated to include new developments in the field, and features new chapters on: e-business, database development process, requirements for databases, and distributed processing. In addition, a wealth of new examples and exercises have been added to each chapter to make the book more practically useful to students, and full lecturer support will be available online.

Entity-Relationship

Approach - ER '93 Aug 02

2022 This monograph is devoted to computational morphology, particularly to the construction of a two-dimensional or a three-dimensional closed object boundary through a set of points in arbitrary position. By applying techniques from computational geometry and CAGD, new results are developed in four stages of the construction process: (a) the gamma-neighborhood graph for describing the structure of a set of points; (b) an algorithm for constructing a polygonal or polyhedral boundary (based on (a)); (c) the flintstone scheme as a hierarchy for polygonal

and polyhedral approximation and localization; (d) and a Bezier-triangle based scheme for the construction of a smooth piecewise cubic boundary.

[Linux Commands, C, C++, Java and Python Exercises For Beginners](#) Dec 14 2020 An approachable manual for new and experienced programmers that introduces the programming languages C, C++, Java, and Python. This book is for all programmers, whether you are a novice or an experienced pro. It is designed for an introductory course that provides beginning engineering and computer science students with a solid foundation in the fundamental concepts of

computer programming. It also offers valuable perspectives on important computing concepts through the development of programming and problem-solving skills using the languages C, C++, Java, and Python. The beginner will find its carefully paced exercises especially helpful. Of course, those who are already familiar with programming are likely to derive more benefits from this book. After reading this book you will find yourself at a moderate level of expertise in C, C++, Java and Python, from which you can take yourself to the next levels. The command-line interface is one of the nearly all well built trademarks of Linux. There exists an ocean

of Linux commands, permitting you to do nearly everything you can be under the impression of doing on your Linux operating system. However, this, at the end of time, creates a problem: because of all of so copious commands accessible to manage, you don't comprehend where and at which point to fly and learn them, especially when you are a learner. If you are facing this problem, and are peering for a painless method to begin your command line journey in Linux, you've come to the right place-as in this book, we will launch you to a hold of well liked and helpful Linux commands. This book gives a thorough introduction to the C, C++, Java, and

Python programming languages, covering everything from fundamentals to advanced concepts. It also includes various exercises that let you put what you learn to use in the real world.

Research and Advanced Technology for Digital Libraries

May 07 2020

Wireless Sensor and Actor Networks II

Oct 24 2021 This book constitutes the refereed proceedings of the IFIP Conference on Wireless Sensors and Actor Networks held in Ottawa, Canada, July, 2008. This series publishes state-of-the-art results in the sciences and technologies of information and communication. The scope of

the series includes: foundations of computer science; software theory and practice; education; computer applications in technology; communication systems; systems modeling and optimization; information systems; computers and society; computer systems technology; security and protection in information processing systems; artificial intelligence; and human-computer interaction. Proceedings and post-proceedings of refereed international conferences in computer science and interdisciplinary fields are featured. These results often precede journal publication and represent the most current

research. The principal aim of the IFIP series is to encourage education and the

dissemination and exchange of information about all aspects of

computing.

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