

FUNDAMENTALS OF DATABASE SYSTEMS

6TH EDITION LECTURE Workbook

fundamentals of database systems 6th edition lecture serves as a comprehensive foundation for understanding the core principles, architecture, and design considerations of modern database systems. As one of the most authoritative texts in the field, this edition emphasizes both theoretical concepts and practical applications, providing students and professionals with the knowledge necessary to design, implement, and manage efficient databases. The lectures derived from this book typically cover a wide array of topics, from data models and database design to query languages and system implementation, ensuring a thorough grasp of the discipline.

Introduction to Database Systems

What is a Database System?

A database system is a collection of interrelated data and a set of programs to access that data. It provides mechanisms for:

- Data storage
- Data retrieval
- Data manipulation
- Data integrity and security

The primary goal of a database system is to store data efficiently and provide users with simple, powerful means to query and update that data.

Historical Development of Database Systems

The evolution of database systems can be summarized as follows:

- **File Processing Systems:** Early systems where data was stored in flat files with minimal structure.
- **Hierarchical and Network Models:** Introduced data relationships with parent-child hierarchies or networked links.
- **Relational Model:** Proposed by E.F. Codd, emphasizing data independence and simplicity through tables.

- **Object-Oriented Databases:** Incorporate object-oriented principles to handle complex data types.
- **Current Trends:** Distributed databases, NoSQL, cloud-based systems, and big data technologies.

Database System Architecture

Components of a Database System

A typical database system comprises the following core components:

- **DBMS Engine:** The core service that manages data storage and retrieval.
- **Database Schema:** The logical structure of the database, defining tables, relationships, and constraints.
- **Query Processor:** Interprets and executes user queries.
- **Transaction Manager:** Ensures ACID properties (Atomicity, Consistency, Isolation, Durability) during data modifications.
- **Storage Manager:** Handles data storage, indexing, and file management.
- **Database Access Language:** Usually SQL, for defining, querying, and manipulating data.

Levels of Database Architecture

The architecture is often visualized in three levels:

- **External Level:** User views and interfaces.
- **Conceptual Level:** Logical structure of the entire database.
- **Internal Level:** Physical storage details.

Data Models and Their Significance

Types of Data Models

Data models define how data is logically structured and manipulated:

- **Hierarchical Model:** Data organized in tree-like structures with parent-child relationships.
- **Network Model:** More flexible with multiple relationships using graph structures.
- **Relational Model:** Data represented in tables with rows and columns, using primary and foreign keys.

- **Object-Oriented Model:** Incorporates objects, classes, inheritance, supporting complex data types.

Advantages of the Relational Model

The relational model has become predominant due to:

- Simplicity and flexibility in data representation
- Data independence and ease of modification
- Standardized query language (SQL)
- Strong theoretical foundation and extensive support tools

Database Design and Normalization

Principles of Database Design

Effective database design involves:

- Defining clear data requirements
- Creating conceptual models (ER diagrams)
- Transforming conceptual models into logical schemas
- Implementing physical storage structures

Normalization: Ensuring Data Integrity

Normalization is a systematic approach to eliminate redundancy and dependency anomalies:

- **First Normal Form (1NF):** Ensure table columns contain atomic values.
- **Second Normal Form (2NF):** Remove partial dependencies on composite keys.
- **Third Normal Form (3NF):** Remove transitive dependencies.
- **Boyce-Codd Normal Form (BCNF):** Resolve certain anomalies not handled by 3NF.

Normalization enhances data consistency and simplifies updates.

SQL and Query Processing

Introduction to SQL

Structured Query Language (SQL) is the standard language for interacting with relational databases. Core functions include:

- Data Definition Language (DDL): CREATE, ALTER, DROP
- Data Manipulation Language (DML): SELECT, INSERT, UPDATE, DELETE
- Data Control Language (DCL): GRANT, REVOKE
- Transaction Control: COMMIT, ROLLBACK

Query Processing and Optimization

When a query is submitted:

- The query parser validates syntax and semantics.
- The query optimizer determines the most efficient execution plan.
- The query executor carries out the plan, retrieving or modifying data.

Optimization techniques include index utilization, join algorithms, and query rewriting.

Transaction Management and Concurrency Control

Atomicity, Consistency, Isolation, Durability (ACID)

Transactions ensure reliable database operations:

- **Atomicity:** All or nothing execution
- **Consistency:** Maintains database invariants
- **Isolation:** Concurrent transactions do not interfere
- **Durability:** Changes are permanent once committed

Concurrency Control Techniques

To handle multiple transactions:

- Lock-based protocols (shared/exclusive locks)
- Timestamp ordering
- Optimistic concurrency control

Ensuring serializability is critical for data integrity.

Distributed and NoSQL Databases

Distributed Database Systems

Distributed databases span multiple locations:

- Data fragmentation and replication
- Distributed query processing
- Challenges include consistency, concurrency, and fault tolerance

NoSQL and Big Data Technologies

Emerging systems focus on:

- Handling unstructured or semi-structured data
- High scalability and flexibility
- Types include document stores, key-value stores, column-family stores, and graph databases

Conclusion

The fundamentals of database systems as outlined in the 6th edition lecture encapsulate the core concepts necessary for understanding how modern data management works. From data models and design principles to query processing and distributed systems, mastering these topics provides a solid foundation for advancing in database technology. As systems evolve with new challenges and opportunities, the principles taught in these lectures remain vital for designing robust, efficient, and scalable data solutions.

Fundamentals of Database Systems 6th Edition Lecture: A Comprehensive Guide

When delving into the world of database systems, the Fundamentals of Database Systems 6th Edition Lecture serves as a cornerstone resource for students, educators, and professionals alike. This authoritative text, authored by Ramez Elmasri and Shamkant B. Navathe, offers a detailed exploration of core concepts, practical applications, and emerging trends in database technology. In this guide, we will systematically unpack the key components of the 6th edition lecture series, providing clarity and depth to help you master the essentials of database systems.

Introduction to Database Systems

The Importance of Databases in Modern Computing

Databases are fundamental to virtually every digital application, from simple data storage to complex enterprise solutions. They enable efficient data management, quick retrieval, and secure storage, forming the backbone of software systems across industries such as finance, healthcare, e-commerce, and social media.

Objectives of the 6th Edition Lecture Series

The lecture series aims to:

- Clarify the theoretical foundations of database systems.
- Highlight practical design and implementation techniques.
- Explain emerging trends like NoSQL, cloud databases, and big data.
- Prepare students for real-world database development and administration.

Core Concepts in Database Systems

Data Models and Database Architecture

Understanding data models is essential because they define how data is logically structured and manipulated.

Types of Data Models:

- Hierarchical Model: Data organized in tree-like structures; early systems.
- Network Model: Graph-based structures allowing multiple relationships.
- Relational Model: Uses tables (relations) with rows and columns; most prevalent today.
- Entity-Relationship Model: Conceptual design tool for modeling real-world entities and relationships.
- Object-Oriented Model: Incorporates object-oriented principles for complex data types.

Database Architecture Types:

- Single-tier: Standalone database applications.
- Two-tier: Client-server architecture with a server database and client interface.
- Three-tier: Additional middle layer for business logic, enhancing scalability.

Relational Database Model

Foundations of the Relational Model

The relational model, as extensively covered in the 6th edition, is based on the use of relations (tables) to represent data. Each table consists of:

- Attributes: Columns that define data types.
- Tuples: Rows representing individual records.

Relational Algebra and Calculus

These formal languages underpin query formulation:

- Relational Algebra: Procedural language for data retrieval.
- Relational Calculus: Non-procedural, focusing on what data to retrieve.

SQL: The Standard Query Language

SQL (Structured Query Language) is the practical language built upon relational principles, enabling:

- Data definition (DDL)
- Data manipulation (DML)
- Data control (DCL)
- Transaction control (TCL)

Designing a Database

The Database Design Process

Designing an effective database involves several stages:

- Requirements Gathering: Understanding the data needs.
- Conceptual Design: Using ER diagrams to model entities and relationships.
- Logical Design: Mapping ER models to relational schemas.
- Physical Design: Optimizing storage and access methods.

Entity-Relationship (ER) Modeling

ER diagrams are vital for visualizing:

- Entities (objects or concepts)
- Attributes (properties)
- Relationships (associations between entities)
- Cardinality constraints (one-to-one, one-to-many, many-to-many)

Normalization and Integrity Constraints

The Role of Normalization

Normalization reduces data redundancy and ensures data integrity by organizing data into well-structured tables. The normal forms include:

- First Normal Form (1NF): Atomicity of data.
- Second Normal Form (2NF): Elimination of partial dependencies.
- Third Normal Form (3NF): Removal of transitive dependencies.
- Higher normal forms (BCNF, 4NF, 5NF) for advanced normalization.

Integrity Constraints

Rules ensuring data accuracy and consistency:

- Entity Integrity: Primary keys must be unique and not null.
- Referential Integrity: Foreign keys must match primary keys in related tables.
- Domain Constraints: Data must adhere to specified data types and ranges.
- User-Defined Constraints: Custom business rules.

Transactions and Concurrency Control

ACID Properties

Transactions are the fundamental units of work in a database:

- Atomicity: All or nothing execution.

- Consistency: Maintaining data validity.
- Isolation: Transactions do not interfere.
- Durability: Once committed, changes are permanent.

Concurrency Control Mechanisms

To handle multiple transactions simultaneously:

- Locking Protocols: Pessimistic concurrency (locks).
- Timestamp Ordering: Optimistic concurrency.
- Multiversion Concurrency Control (MVCC): Multiple versions of data for high concurrency.

Recovery and Security

Backup and Recovery Strategies

Ensuring data durability involves:

- Regular backups.
- Transaction logs.
- Recovery algorithms (e.g., undo/redo).

Security Measures

Protecting data against unauthorized access:

- Authentication mechanisms.
- Authorization controls.
- Encryption.
- Auditing.

Emerging Trends and Technologies

NoSQL and Big Data

The 6th edition lecture addresses the rise of NoSQL databases like document, key-value, column-family, and graph databases, designed to handle:

- Large volumes of unstructured data.
- High scalability and availability.

Cloud Database Services

Cloud platforms (AWS, Azure, Google Cloud) offer:

- Managed database solutions.
- Elastic scalability.
- Cost-effective storage and processing.

Data Warehousing and Data Mining

Facilitating analytical processing and insights:

- Data warehouses aggregate large datasets.
- Data mining extracts patterns and knowledge.

Practical Applications and Case Studies

Real-World Implementations

The lecture series emphasizes:

- Designing databases for banking systems.
- Managing inventory in retail.
- Patient records in healthcare.
- Social network data management.

Best Practices

- Modular design.
- Proper normalization.
- Robust security policies.
- Regular maintenance and updates.

Conclusion

The Fundamentals of Database Systems 6th Edition Lecture provides a thorough foundation for understanding how modern database systems are designed, implemented, and maintained. From grasping core concepts like data models and relational algebra to exploring advanced topics such as NoSQL and cloud databases, learners are equipped with the knowledge necessary to navigate the evolving landscape of data management. Mastery of these principles not only enhances technical competence but also empowers professionals to develop scalable, secure, and efficient databases that meet contemporary organizational needs.

Whether you're a student preparing for exams or a professional seeking to deepen your understanding, this comprehensive guide serves as a valuable resource to complement the insights offered in the 6th edition lecture series. Embracing these fundamentals lays the groundwork for innovation and excellence in the ever-expanding field of database systems.

Question What are the core components of a database system as discussed in the 'Fundamentals of Database Systems 6th Edition'? The core components include the Database Engine, Database Schema, Query Processor, Transaction Manager, and Database Access Language, which collectively manage, store, and process data efficiently. How does the lecture explain the concept of normalization in database design? Normalization is the process of organizing data to reduce redundancy and dependency by dividing tables into smaller, well-structured tables based on normal forms like 1NF, 2NF, and 3NF, ensuring data integrity. What are the differences between SQL and NoSQL databases as covered in the course? SQL databases are relational, structured, and use fixed schemas, ideal for transactional systems, whereas NoSQL databases are non-relational, flexible, and handle unstructured data, making them suitable for scalable and distributed applications. Can you explain the concept of ACID properties in transactions from the lecture? ACID stands for Atomicity, Consistency, Isolation, and Durability. These properties ensure reliable transaction processing by guaranteeing that transactions are completed fully or not at all, maintaining database integrity. What is the purpose of indexing in database systems as discussed in the lecture? Indexing improves the speed of data retrieval operations by providing quick access to rows in a table, much like an index in a book, thereby enhancing query performance. How does the 'Fundamentals of Database Systems 6th Edition' address Entity-Relationship (ER) modeling? ER modeling is introduced as a high-level conceptual framework to visually represent data entities, their attributes, and relationships, serving as a basis for designing relational databases. What are the main types of database schemas covered in the course? The main schema types include the physical schema, logical schema, and view schema, each representing different levels of data abstraction and organization within a database system. How is query optimization explained in the lecture? Query optimization involves analyzing different query execution plans to select the most efficient one, minimizing resource usage and response time, often using cost-based algorithms. What are the key security considerations in database systems highlighted in the course? Security considerations include user authentication, access control, encryption, and auditing, all aimed at protecting data from unauthorized access and ensuring data privacy. How does the lecture describe the concept of distributed databases? Distributed databases are collections of multiple,

interconnected databases stored across different locations, allowing data sharing and redundancy while managing distributed data consistency and integrity.

Related keywords: database concepts, SQL, relational model, data modeling, normalization, database design, query processing, transaction management, indexing, data integrity

5742 days anniversary edition english edition

5742 Days Anniversary Edition English Edition

****Exploring the 5742 Days Anniversary Edition English Edition: A Collector's Treasure****

5742 days anniversary edition english edition marks a significant milestone that

resonates deeply with enthusiasts, collectors, and fans alike. This edition isn't just a simple reprint or a casual release; it's a celebration—an homage to a journey spanning over fifteen years. Whether you're a longtime admirer or a newcomer curious about what makes this edition stand out, diving into the details of the 5742 days anniversary edition english edition offers a fascinating glimpse into its unique charm, cultural significance, and the thoughtful craftsmanship behind it.

What is the 5742 Days Anniversary Edition English Edition?

At its core, the 5742 days anniversary edition english edition commemorates a period of exactly 5742 days—around 15 years and 9 months—since a seminal event, release, or launch associated with the original work. While the exact nature of this origin varies depending on the franchise or product, anniversary editions like this often serve as a tribute to the enduring impact and loyal community built over time.

The English edition specifically caters to English-speaking audiences, making the content more accessible and expanding its reach worldwide. This is particularly important for fans who may have only had access to original versions in other languages, or who seek a more immersive experience with quality translations and localized content.

Why the Number 5742? Understanding the Significance

Numbers in anniversary editions are rarely arbitrary, and 5742 is no exception. It represents a precise count of days that marks a significant timeline since the initial release or event. Such specificity adds a layer of exclusivity, making the edition feel more personal and meaningful.

The Importance of Exact Anniversaries

Celebrating exact days rather than just years shows meticulous attention to detail. It appeals to fans who value precision and who appreciate how time shapes the evolution of stories, games, or cultural phenomena. This exactitude can also emphasize the longevity and consistent relevance of the subject matter.

Connecting the Past and Present

By highlighting 5742 days, the anniversary edition bridges the past with the present. It encourages fans to reflect on how the original work has grown, adapted, and influenced over time. For collectors, this means owning a piece that encapsulates history while celebrating ongoing passion.

Features of the 5742 Days Anniversary Edition English Edition

What sets this anniversary edition apart from standard releases? Several distinctive

features contribute to its appeal, combining both nostalgic elements and fresh content.

Enhanced Content and Packaging

One of the most notable aspects of the 5742 days anniversary edition english edition is the enhanced packaging. Special edition covers, high-quality print materials, and often exclusive artwork make it a visual delight. Collectors particularly appreciate limited-edition designs that aren't available in regular releases.

Inside, you'll often find:

Exclusive interviews or commentaries from creators and cast

1.

Behind-the-scenes insights that deepen understanding

2.

Additional chapters, bonus scenes, or extended content

3.

High-resolution images or posters as keepsakes

4.

These additions enrich the overall experience, offering more than just the original content.

Improved Translation and Localization

For the English edition, translation quality is paramount. Anniversary editions typically feature refined translations that capture nuances better than earlier versions. This means idioms, cultural references, and character voices come through more naturally, enhancing

immersion for readers.

Localization may also include region-specific notes or explanations that help non-native audiences appreciate context they might have missed otherwise.

Digital and Multimedia Extras

In some cases, the anniversary edition includes digital bonuses such as downloadable content, soundtrack albums, or exclusive videos. These multimedia elements provide a modern touch, appealing to tech-savvy fans and adding layers to the storytelling.

Who Should Consider the 5742 Days Anniversary Edition English Edition?

Whether you're a casual fan, a dedicated collector, or a newcomer intrigued by the buzz, this edition can be a valuable addition to your collection.

Fans Seeking Nostalgia

If you've followed the original work from the beginning, owning this edition is a way to celebrate that journey. The commemorative packaging and added content evoke nostalgia, allowing you to reminisce while rediscovering details you may have overlooked.

New Readers Looking for a Definitive Version

For those unfamiliar with the original, the 5742 days anniversary edition english edition offers a polished, definitive version. Improved translation and additional context can provide a clearer, more engaging introduction to the story or product.

Collectors and Enthusiasts

Collectors thrive on limited-edition releases. The rarity and special features of this

anniversary edition make it a prized item. It's also a great conversation piece and investment, as such editions often gain value over time.

Tips for Purchasing the 5742 Days Anniversary Edition English Edition

If you decide to add this edition to your collection, there are some practical tips to keep in mind:

Verify Authenticity: Due to its special status, some counterfeit versions may

1.
exist. Purchase from reputable retailers or official channels.

Check Inclusions: Confirm what extras are included?some editions have multiple

2.
versions with varying bonus content.

Consider Condition: If buying second-hand, assess the condition carefully.

3.
Packaging and inserts can affect value significantly.

Stay Updated: Follow official announcements for release dates and availability to

4.
avoid missing out.

The Cultural Impact of the 5742 Days Anniversary Edition English

Edition

Anniversary editions like this one do more than celebrate a timeline; they reinforce cultural legacies. For works with global fanbases, the English edition acts as a bridge across languages and cultures, fostering a shared experience.

Through thoughtful curation and presentation, the 5742 days anniversary edition english edition contributes to the preservation and evolution of beloved narratives. It encourages new generations to discover and appreciate stories that have stood the test of time.

Building Community and Shared Memories

Releases like this often spark discussions, fan events, and renewed enthusiasm. Fans come together to analyze new content, share memories, and celebrate milestones. This communal aspect enhances the overall value beyond the physical or digital product.

Inspiring Future Creations

By honoring the past, the anniversary edition also inspires creators. Seeing sustained interest and appreciation for older works can motivate new projects, spin-offs, or adaptations, ensuring the legacy continues.

The 5742 days anniversary edition english edition is more than just a collector's item; it's a celebration of time, passion, and connection. Whether you're diving back into a cherished story or exploring it for the first time, this edition offers a rich, carefully crafted experience that honors the past while inviting you to be part of its ongoing journey.

Question

Answer

What is the '5742 Days

Anniversary Edition English

Edition' about?

The '5742 Days Anniversary Edition English Edition' is

a special commemorative release celebrating 5742

days of a particular event, series, or milestone,

featuring enhanced content and exclusive materials.

Who is the author or creator of

the '5742 Days Anniversary

Edition English Edition'?

The author or creator varies depending on the original

work being commemorated; typically, this edition

includes contributions or endorsements from the

original creators or publishers.

Where can I purchase the '5742

Days Anniversary Edition

English Edition'?

This edition is available through major online retailers

like Amazon, specialized bookstores, and sometimes

directly from the publisher's website.

What makes the '5742 Days

Anniversary Edition English

Edition' different from the

original release?

It often includes additional content such as bonus

chapters, behind-the-scenes insights, updated

translations, exclusive artwork, or collector's

packaging.

Is the '5742 Days Anniversary

Edition English Edition' suitable

for all ages?

Suitability depends on the original content; it is

recommended to check the edition's age rating or

content warnings before purchase.

Does the '5742 Days

Anniversary Edition English

Edition' include digital or audio

formats?

Some anniversary editions offer digital copies or audio

versions as part of the package, but availability varies

by publisher.

How can I verify the

authenticity of the '5742 Days

Anniversary Edition English

Edition'?

Authentic editions usually have official publisher

marks, certificates of authenticity, and distinct

packaging; purchasing from reputable sellers helps

ensure genuineness.

Are there any special events or

promotions associated with the

'5742 Days Anniversary Edition

English Edition'?

Publishers sometimes organize launch events,

signings, or limited-time promotions to celebrate the

anniversary edition release.

5742 Days Anniversary Edition English Edition: A Comprehensive Review

5742 days anniversary edition english edition marks a significant milestone for fans

and collectors of this celebrated work. As a special release, this edition brings together

enriched content, refined translations, and commemorative features that appeal to both

new readers and longstanding enthusiasts. In this review, we delve into the nuances of

the 5742 days anniversary edition, examining its significance, presentation, and how it compares to previous versions available in the English language.

Understanding the Significance of the 5742 Days Anniversary

Edition English Edition

The 5742 days anniversary edition english edition is not merely a reprint but a thoughtfully curated version that commemorates a specific timeframe equivalent to nearly 15 years since the original publication or a landmark event related to the title. The choice of "5742 days" as a thematic marker underscores a dedication to longevity and the enduring impact of the work.

This edition is tailored to English-speaking audiences, offering enhanced accessibility through improved translations and culturally adapted content where necessary. The relevance of this edition lies in its ability to bridge the gap between the original context and contemporary readers, enriching the overall experience with editorial insights, updated annotations, and potentially unreleased material.

Translation Quality and Editorial Enhancements

One of the critical aspects of any anniversary edition, particularly when translated, is the quality of language adaptation. The 5742 days anniversary edition english edition features a meticulous translation process, aiming to preserve the original tone, style, and intent while ensuring clarity and readability. Compared to earlier English editions, this version reportedly smooths out awkward phrasings and addresses prior ambiguities, making the

narrative more engaging for the target audience.

Editorial enhancements extend beyond translation. This anniversary edition often includes supplementary content such as:

Author's or editor's foreword reflecting on the work's journey over 5742 days

1.

Annotations explaining cultural references that might be obscure to international

2.

readers

Visual additions like exclusive illustrations or commemorative artwork

3.

Updated bibliographies and references for further exploration

4.

Such features make the 5742 days anniversary edition english edition a valuable resource for academics, collectors, and casual readers alike.

Comparative Overview: Previous Editions vs. 5742 Days Anniversary Edition

When placed alongside previous English editions, the 5742 days anniversary edition demonstrates several improvements:

Production quality: Enhanced printing, premium paper, and durable binding

1.

contribute to longevity and aesthetic appeal.

Content depth: Additional essays and reflections deepen understanding.

2.

Layout and design: Modernized typography and design elements improve

3.

readability and visual engagement.

However, some readers may find the expanded content somewhat dense, especially if they are primarily interested in the core narrative. The balance between added value and information overload is a delicate one, and feedback is typically mixed depending on individual preferences.

Market Reception and Target Audience

The release of the 5742 days anniversary edition English edition has sparked interest among various segments. Collectors appreciate the commemorative nature and physical quality of this edition, while scholars benefit from enriched contextual materials. For casual readers, the edition provides an accessible entry point with its polished translation and supportive annotations.

Sales data indicate a steady demand, particularly in regions with strong English-speaking populations that favor literary or historical works. The anniversary edition's timing often coincides with promotional campaigns or cultural events, further amplifying its reach.

Pros and Cons of the 5742 Days Anniversary Edition English Edition

Pros:

1.

High-quality translation that respects the original tone

1.

Comprehensive editorial content enhancing reader comprehension

2.

Durable and aesthetically pleasing production

3.

Exclusive content appealing to collectors

4.

Cons:

2.

Potentially steep price point compared to standard editions

1.

Additional content may be overwhelming for casual readers

2.

Limited availability in some markets

3.

The Role of Anniversary Editions in Literary Preservation

Anniversary editions like the 5742 days anniversary edition english edition serve a vital function in preserving and revitalizing significant works. They provide an opportunity to revisit narratives through a contemporary lens, often incorporating new scholarship and

technological advances in publishing.

Moreover, such editions foster community engagement by celebrating shared cultural milestones. They often become reference points in academic discourse and popular culture, ensuring the longevity of important texts.

As the publishing industry evolves, the balance between honoring original works and adapting to modern audiences will remain central to the success of future anniversary editions.

The 5742 days anniversary edition english edition exemplifies this trend, blending tradition with innovation, and offering a multifaceted experience that extends beyond the original publication. Whether for study, collection, or leisure reading, this edition asserts its place as a noteworthy addition to the English-language literary landscape.

5742 days anniversary, anniversary edition book, English edition anniversary, special edition 5742 days, commemorative edition book, limited edition anniversary, 5742 days celebration, anniversary English version, milestone edition book, 5742 days special release

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