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PEARSON EDUCACION Novena Edicion

How to Program in Java, Ninth Edition Instruction Manual

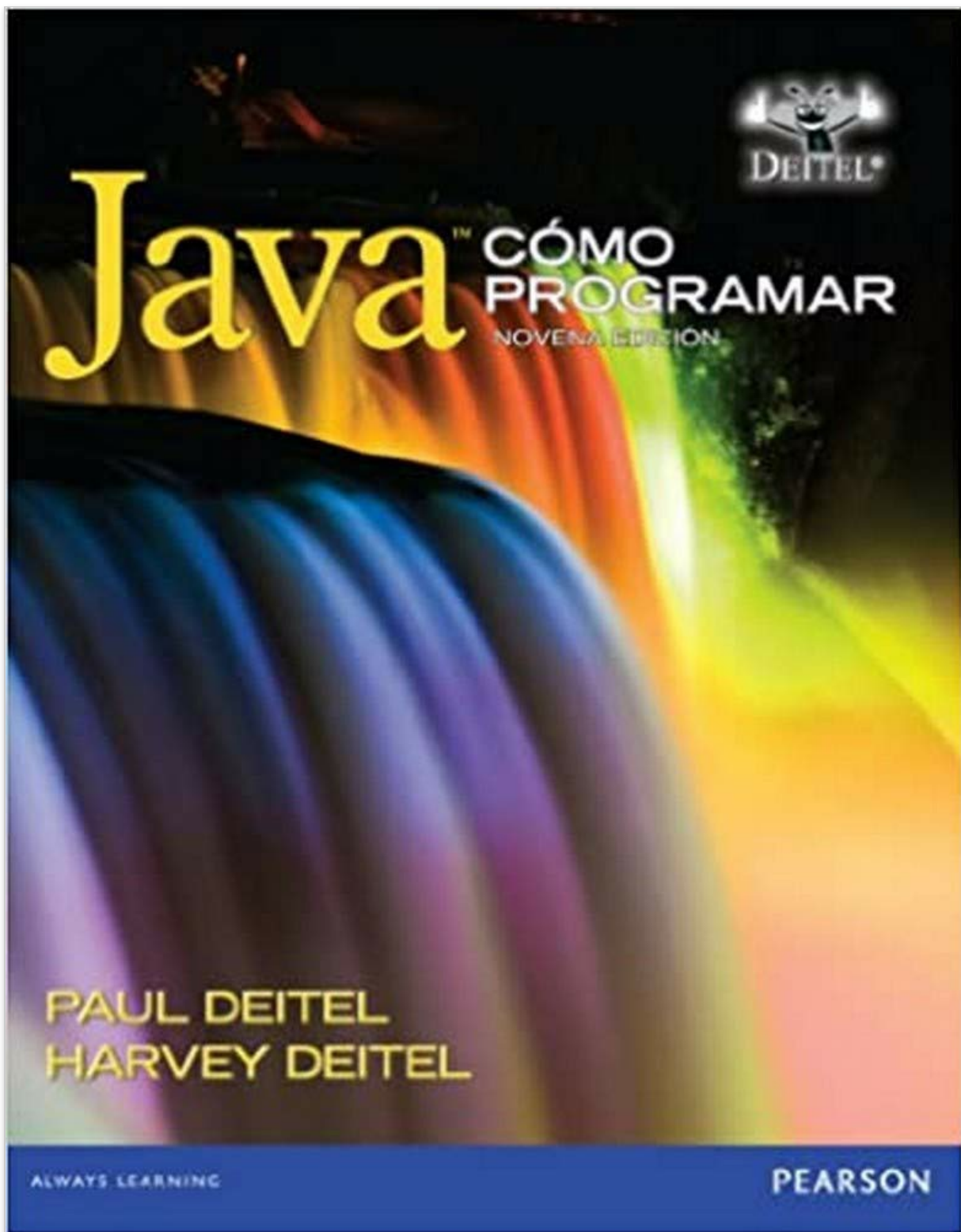
Publisher: PEARSON EDUCACION

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1. INTRODUCTION

Welcome to *How to Program in Java, Ninth Edition* This book is designed to introduce cutting-edge computing technologies and best software engineering practices to students, professors, and software developers.

This new edition is built upon the renowned "active code" method, where programming concepts are presented within the context of complete, functional programs. This approach allows users to leverage concepts and code directly, providing an experience closely resembling professional software development. The book offers a clear, simple, attractive, and engaging introduction to Java programming.



Front cover of the book *How to Program in Java, Ninth Edition*. The cover features the title prominently with a dark background.

2. KEY FEATURES

This edition includes several relevant features designed to enhance the learning experience:

- **Extensive Coverage of Fundamentals:** Includes two dedicated chapters on control statements, providing a solid foundation.
- **Focus on Real-World Examples:** Practical examples are integrated throughout the text to illustrate concepts effectively.
- **"Make a Difference" Exercises:** A collection of exercises with an environmental focus, encouraging

practical application and critical thinking.

- **Early Introduction to Classes and Objects:** Core object-oriented programming concepts are introduced from the initial chapters.
- **Integrated Exception Handling:** Comprehensive coverage of exception handling techniques.
- **Optional Modular Sections:** Dedicated sections on the language and library features of the new Java SE 7.
- **Online Android Application Development:** An optional online introduction to developing Java-based Android applications.
- **Advanced Topics:** Covers files, streams, object serialization, recursion, searching, sorting, generic collections, data structures, applets, multimedia, multithreading, databases (JDBC™), Web application development, Web services, and an optional case study on object-oriented design with the ATM.

3. GETTING STARTED WITH THE BOOK

To begin your journey with Java programming using this book, it is recommended to start from the first chapter and progress sequentially. The book is structured to build knowledge incrementally, making complex topics accessible.

Ensure you have a suitable Java Development Kit (JDK) installed on your computer to compile and run the code examples provided. Refer to official Oracle documentation for JDK installation instructions.

4. USING THE BOOK EFFECTIVELY

To maximize your learning from *How to Program in Java, Ninth Edition* consider the following:

- **Active Code Method:** Actively engage with the code examples. Type them out, experiment with modifications, and observe the results. This hands-on approach is central to the book's methodology.
- **Practice Exercises:** Complete the exercises at the end of each chapter. These are crucial for reinforcing understanding and developing problem-solving skills.
- **Review Concepts:** Regularly review previously covered topics to ensure a strong grasp of foundational principles before moving to more advanced material.
- **Utilize Online Resources:** Access the supplementary materials available on the publisher's website for additional chapters and source code (see Section 5).

5. ADDITIONAL RESOURCES & SUPPORT

The publisher provides valuable online resources to complement this book:

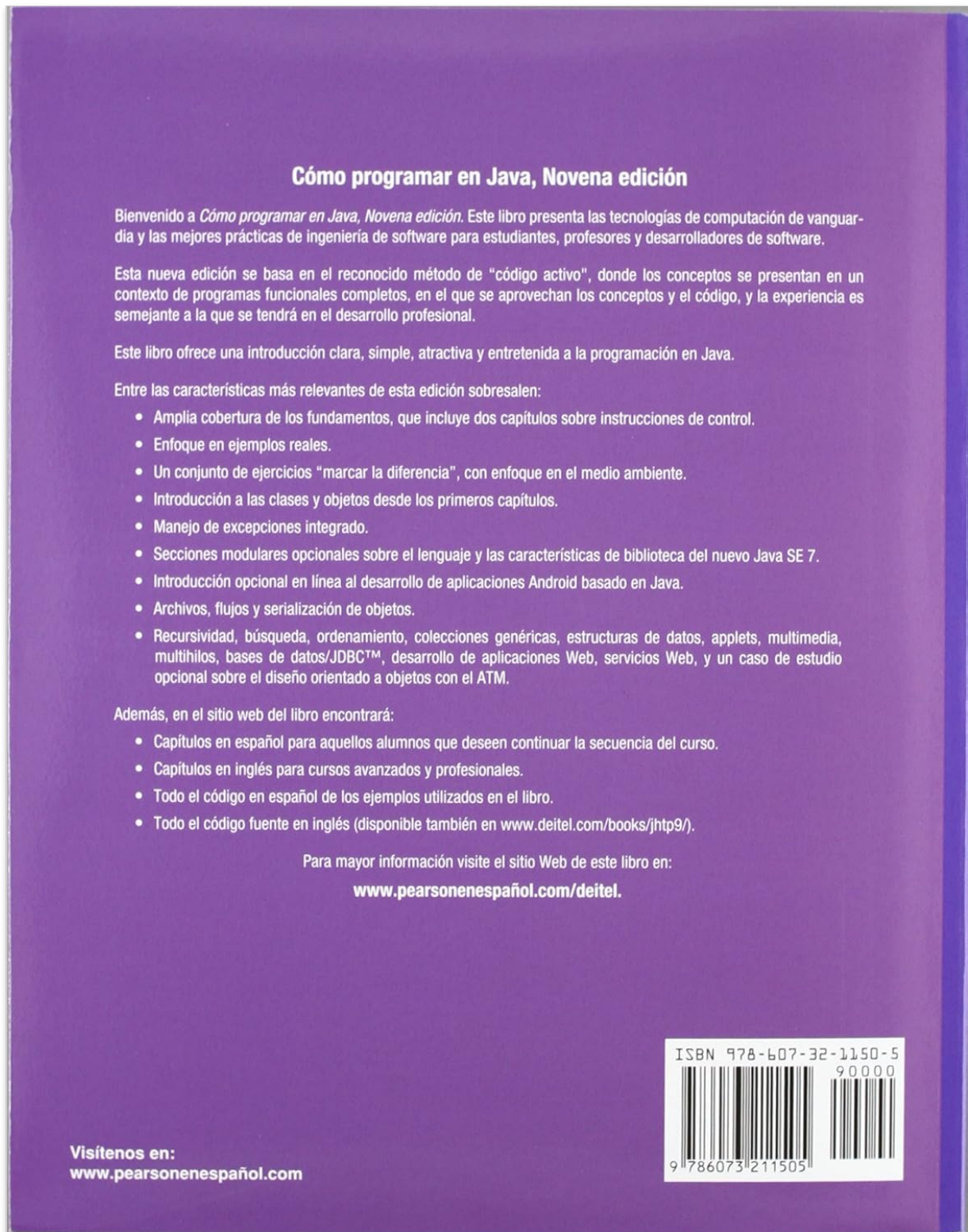
- **Supplementary Chapters:** Additional chapters are available in Spanish for students wishing to continue the course sequence, and in English for advanced and professional courses.
- **Source Code:** All code examples used in the book are available in Spanish. The English source code is also provided.

For more information and to access these resources, visit the book's website:

www.pearsonespañol.com/deitel.

Troubleshooting Missing Access Codes: Some users have reported issues with missing access codes required to download additional chapters. If your copy of the book does not include the necessary access code, it is recommended to contact Pearson VUE directly for assistance. They can provide the code to

access the supplementary materials.



Cómo programar en Java, Novena edición

Bienvenido a *Cómo programar en Java, Novena edición*. Este libro presenta las tecnologías de computación de vanguardia y las mejores prácticas de ingeniería de software para estudiantes, profesores y desarrolladores de software.

Esta nueva edición se basa en el reconocido método de "código activo", donde los conceptos se presentan en un contexto de programas funcionales completos, en el que se aprovechan los conceptos y el código, y la experiencia es semejante a la que se tendrá en el desarrollo profesional.

Este libro ofrece una introducción clara, simple, atractiva y entretenida a la programación en Java.

Entre las características más relevantes de esta edición sobresalen:

- Amplia cobertura de los fundamentos, que incluye dos capítulos sobre instrucciones de control.
- Enfoque en ejemplos reales.
- Un conjunto de ejercicios "marcar la diferencia", con enfoque en el medio ambiente.
- Introducción a las clases y objetos desde los primeros capítulos.
- Manejo de excepciones integrado.
- Secciones modulares opcionales sobre el lenguaje y las características de biblioteca del nuevo Java SE 7.
- Introducción opcional en línea al desarrollo de aplicaciones Android basado en Java.
- Archivos, flujos y serialización de objetos.
- Recursividad, búsqueda, ordenamiento, colecciones genéricas, estructuras de datos, applets, multimedia, multihilos, bases de datos/JDBC™, desarrollo de aplicaciones Web, servicios Web, y un caso de estudio opcional sobre el diseño orientado a objetos con el ATM.

Además, en el sitio web del libro encontrará:

- Capítulos en español para aquellos alumnos que deseen continuar la secuencia del curso.
- Capítulos en inglés para cursos avanzados y profesionales.
- Todo el código en español de los ejemplos utilizados en el libro.
- Todo el código fuente en inglés (disponible también en www.deitel.com/books/jhtp9/).

Para mayor información visite el sitio Web de este libro en:

www.pearsonespañol.com/deitel.

Visítenos en:
www.pearsonespañol.com



Back cover of the book *How to Program in Java, Ninth Edition*. This image displays the ISBN and barcode, along with a brief description of the book's features and online resources.

6. BOOK CARE AND MAINTENANCE

To ensure the longevity of your book, please follow these simple care guidelines:

- Store the book in a dry place, away from direct sunlight and extreme temperatures.
- Avoid bending the spine excessively to prevent damage to the binding.
- Keep the book away from liquids and food to prevent stains and damage.

- Handle pages carefully to avoid tearing.

7. SPECIFICATIONS

Publisher	PEARSON EDUCACION
Publication Date	January 1, 1900
Edition	0 (Ninth Edition)
Language	Spanish
Print Length	616 pages
ISBN-10	6073211503
ISBN-13	978-6073211505
Item Weight	2.41 pounds
Dimensions	7.99 x 1.39 x 10.28 inches

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