

Introduction to Java Programming



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<https://github.com/swacademy/JavaSE>

Introduction

- Name
- Address to live
- Career
- Programming, networking, database experience
- Product experience
- Expectations for the course

Course Materials

- Textbooks
- Java-related Installation files (e.g. JDK ...etc)
- Source-files in class (e.g. APIs ...etc)
- Text Editors (e.g. EditPlus, Eclipse, Vim ...etc)
- Flow Chart Tools (e.g. SmartDraw ...etc)
- UML Tools (e.g. StarUML, EclipseUML ...etc)

Prerequisites

- Basic knowledge of Computer Architecture
- Hardware & Software
- Basic Computer Data Structure
- Familiarity with basic Operating Systems functions
- Understanding of the basics of structured programming
- Shell Scripting experience
- Experience programming in C, C++, Visual Basic

Course Outline

- Chapter 1 : Java Programming Language Overview
- Chapter 2 : Configuration for Lab.
- Chapter 3 : The Java Language Rules
- Chapter 4 : Expression and Operators
- Chapter 5 : Control Flow Statement

Course Outline (Cont.)

- Chapter 6 : Arrays
- Chapter 7 : Methods
- Chapter 8 : Object-Orientation First Story
- Chapter 9 : Object-Orientation Second Story
- Chapter 10 : Object-Orientation Third Story
- Chapter 11 : Object-Orientation Fourth Story
- Chapter 12 : Exceptions and Assertions

Course Outline (Cont.)

- Chapter 13 : Class Library `java.lang` Package
- Chapter 14 : Class Library `java.util` Package
- Chapter 15 : Generics
- Chapter 16 : Java Collections Framework
- Chapter 17 : Java Core Packages

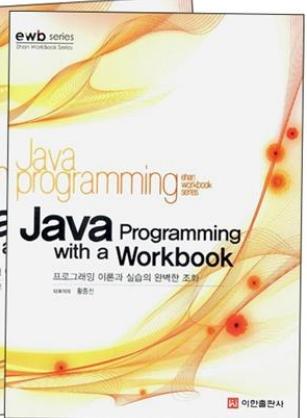
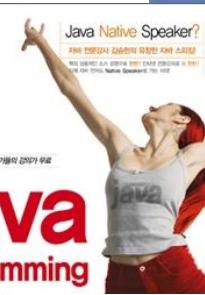
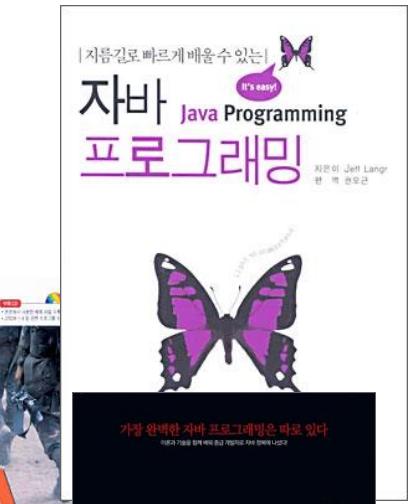
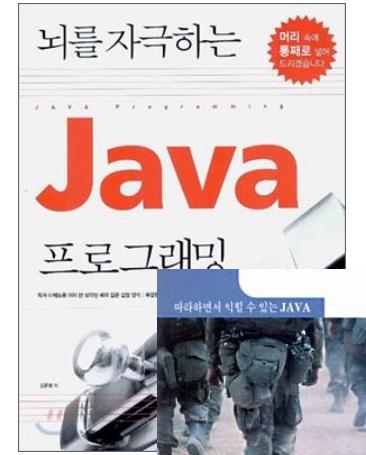
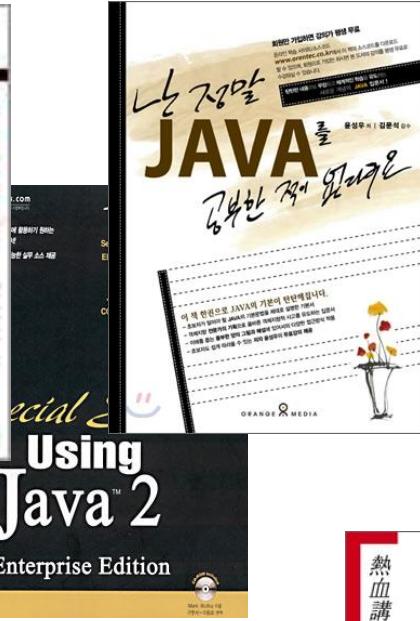
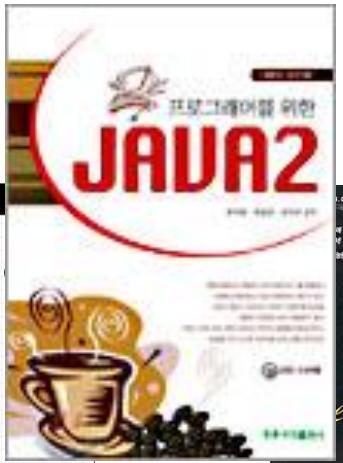
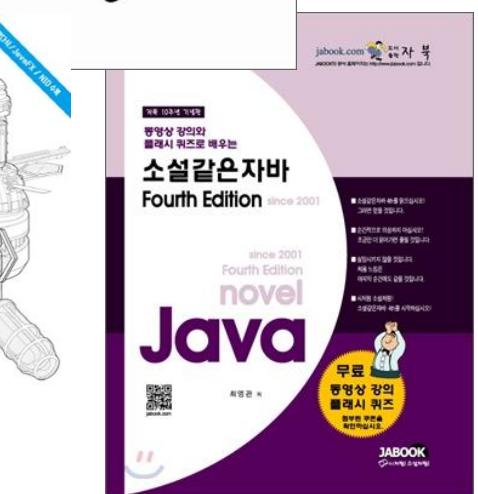
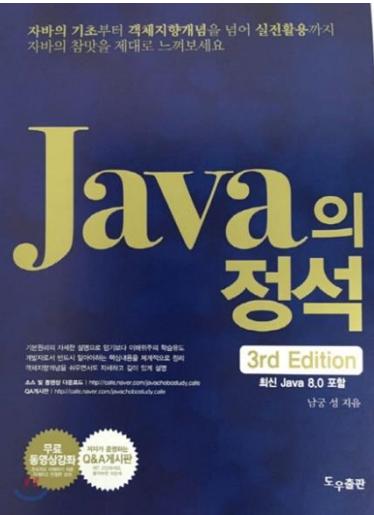
Course Outline (Cont.)

- Chapter 18 : Java GUIs & Java Graphics
- Chapter 19 : The AWT Event Model
- Chapter 20 : The AWT Component Libraries
- Chapter 21 : Introduction to Java Applets
- Chapter 22 : Introduction to Swing
- Chapter 23 : The Swing Component Libraries

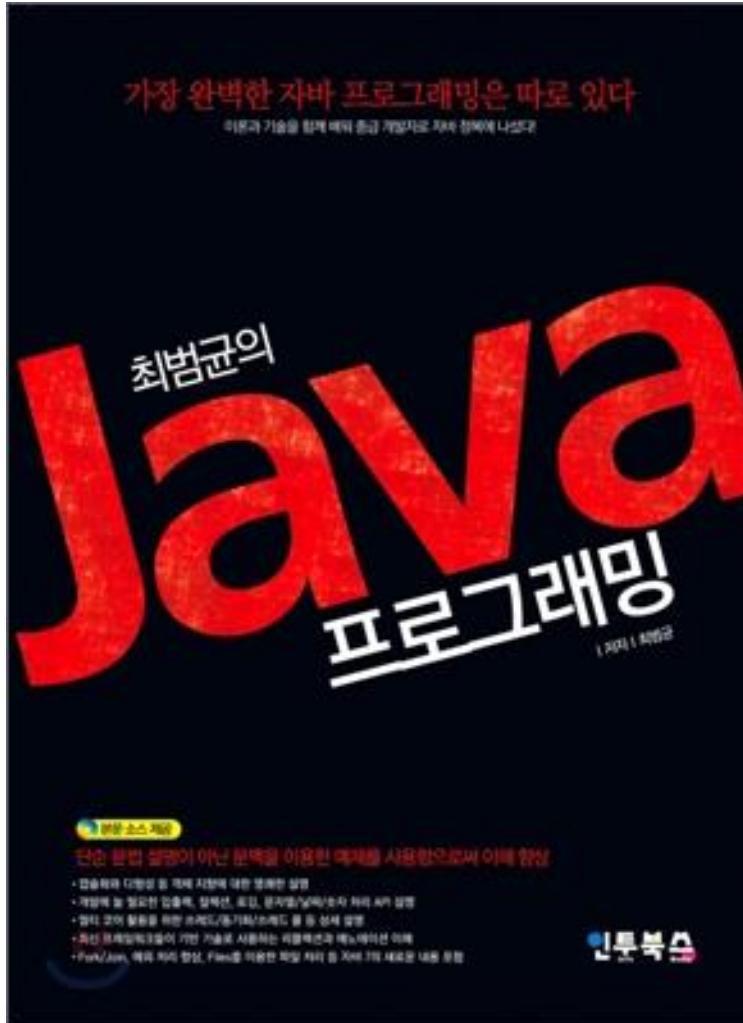
Course Outline (Cont.)

- Chapter 24 : Threads
- Chapter 25 : Java I/O and Serialize
- Chapter 26 : Java Network Programming
- Chapter 27 : NIO

Books



Books



- Java 프로그래밍
- 최범균
- 인투북스
- 899640974X
- Sep. 9, 2011
- <http://kangcom.com/sub/view.asp?sku=201109090001&mcd=571>

Books



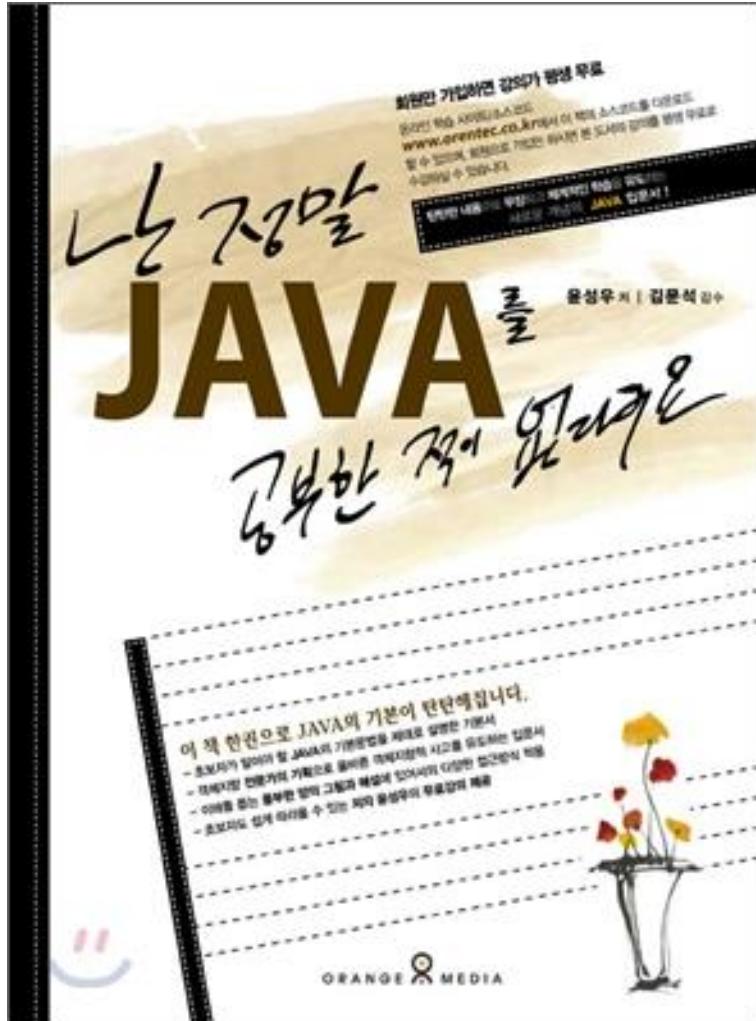
- 자바의 神
- 이상민
- 로드북
- 8997924036, 8997924044
- Mar. 12, 2013
- <http://kangcom.com/sub/view.asp?sku=201302280001&mcd=571>

Books



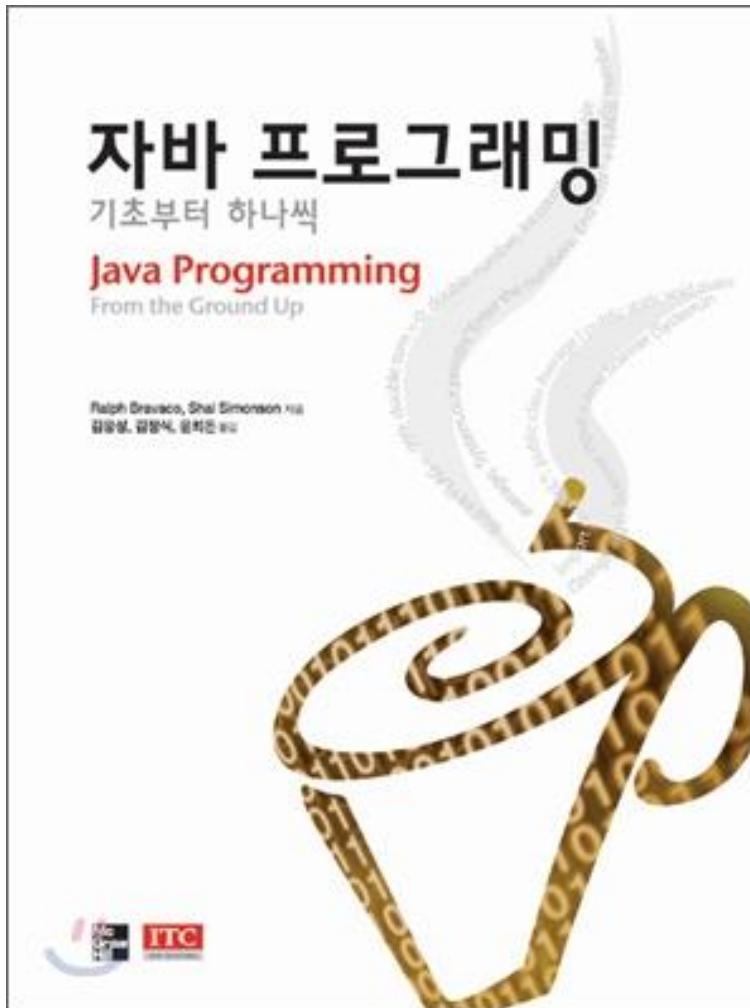
- 객체 중심 Java
- 강요천
- 프리렉
- 899640974X
- Nov. 1, 2010
- [http://kangcom.com/sub/view.asp
?sku=201011230001&mcd=571](http://kangcom.com/sub/view.asp?sku=201011230001&mcd=571)

Books



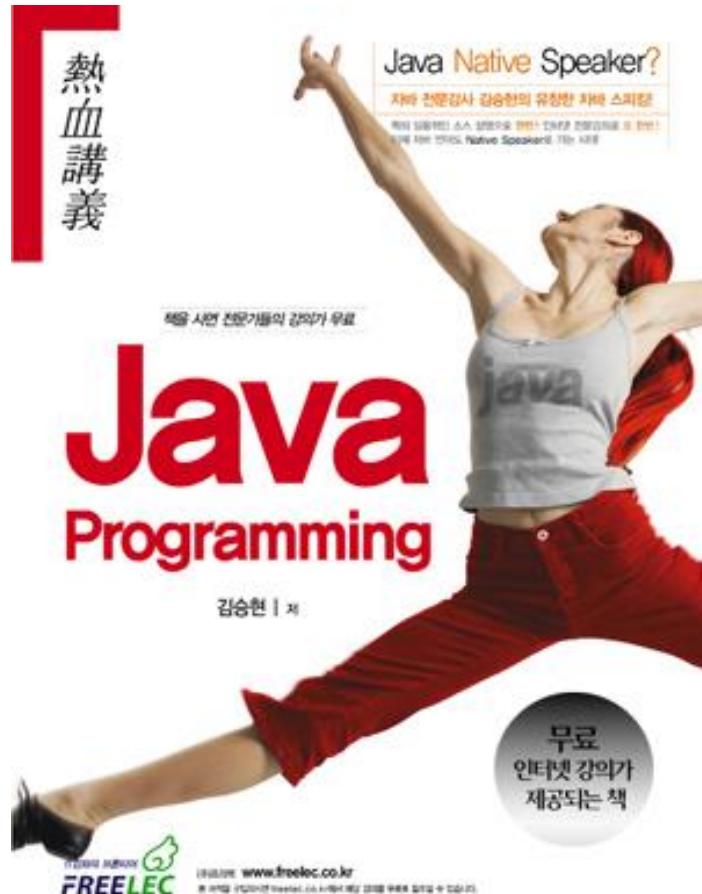
- 난 정말 JAVA를 공부한 적이 없다구요
- 윤성우
- 오렌지미디어
- 8996094021
- Aug. 12, 2009
- [http://kangcom.com/sub/view.asp
?sku=200908120001&mcd=571](http://kangcom.com/sub/view.asp?sku=200908120001&mcd=571)

Books



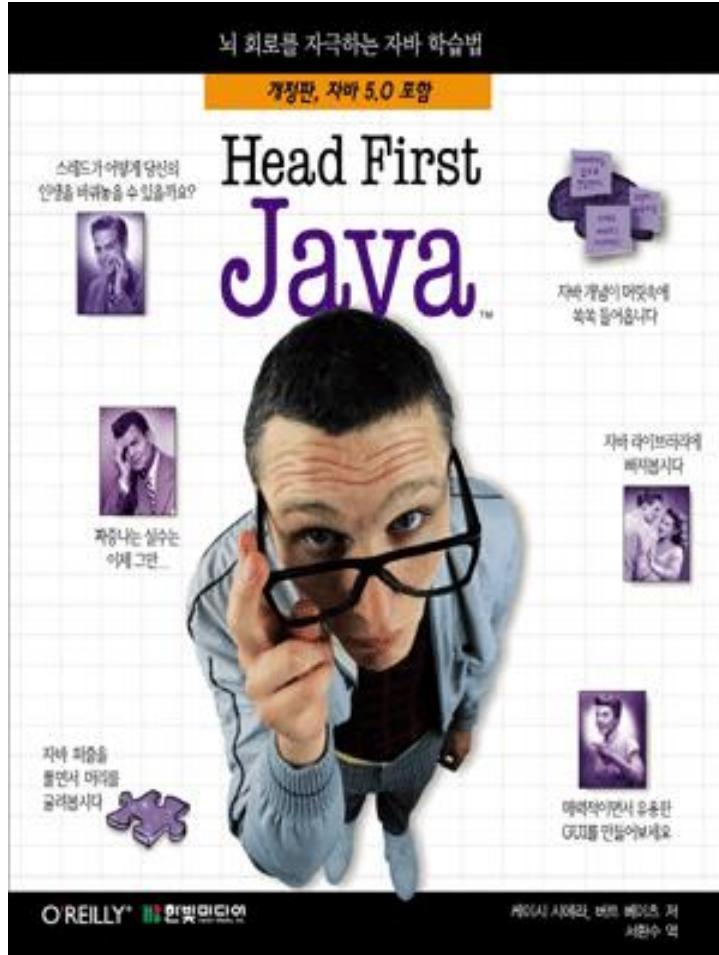
- 자바 프로그래밍 : 기초부터 하나씩
- 랄프 브라바코, 샤이 시몬슨 / 김응성
외2인 역
- ITC
- 8963510220
- Sep. 6, 2010
- <http://www.yes24.com/24/Goods/4202177?Acode=101>

Books



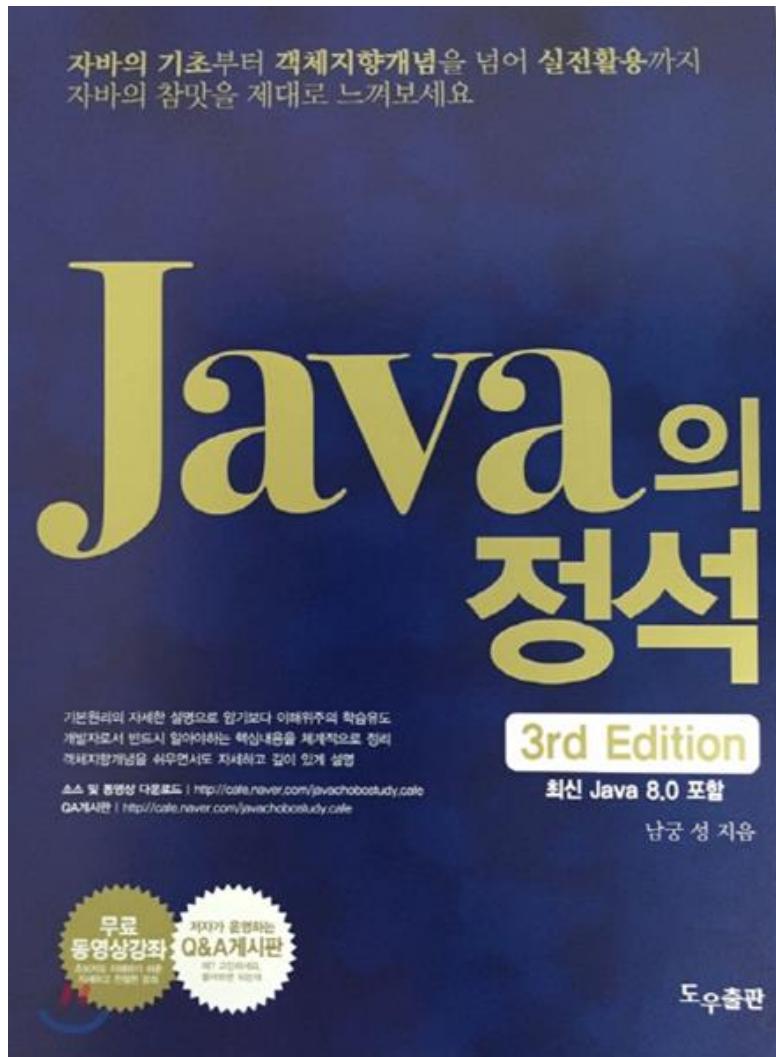
- 열혈강의 자바 프로그래밍
- 김승현
- 프리렉
- 8965400031
- Aug. 23, 2006
- <http://kangcom.com/common/bookinfo/bookinfo.asp?sku=200608090001>

Books (Cont.)



- Head First Java : 뇌 회로를 자극하는 자바 학습법(개정판)
- Kathy Sierra, Bert Bates
- Oreilly / 한빛미디어
- 8979143710
- Nov. 20, 2005
- <http://kangcom.com/common/bookinfo/bookinfo.asp?sku=200511110003>

Books (Cont.)



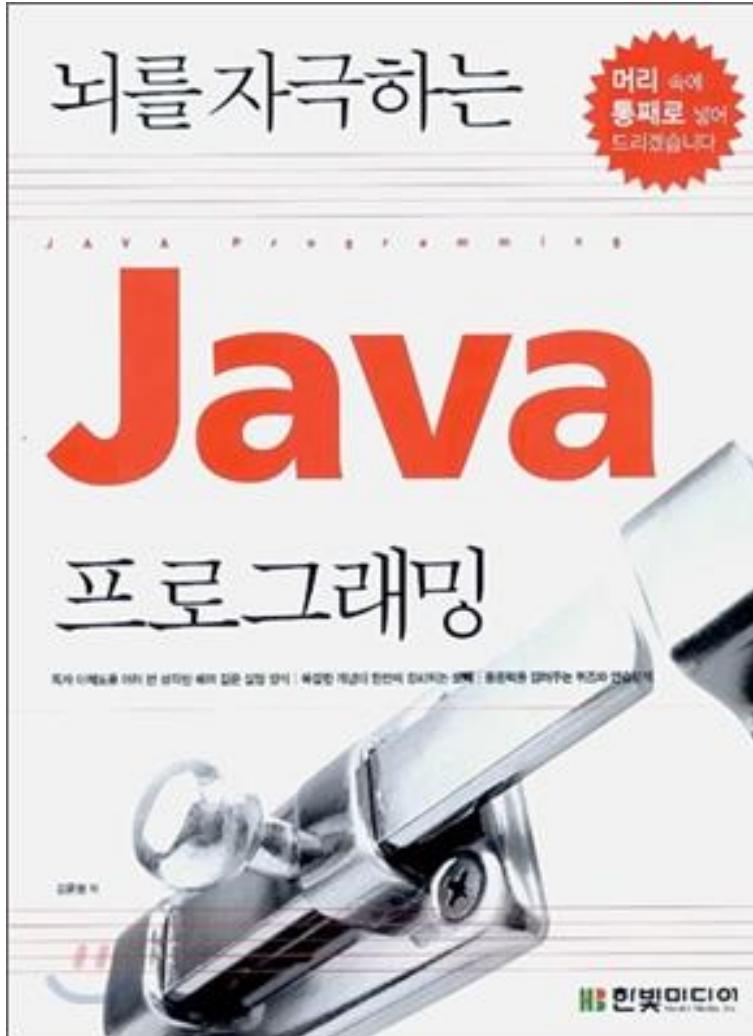
- Java의 정석 2rd Ed.
- 남궁성
- 도우출판
- 9788994492032
- Feb. 1, 2016
- <http://www.yes24.com/24/goods/24259565?scode=032&OzSrank=7>

Books (Cont.)



- 이것이 자바다
- 신용권
- 한빛미디어
- 9788968481475
- Jan. 5, 2015
- <http://www.yes24.com/24/goods/15651484?scode=032&OzSrank=8>

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- 뇌를 자극하는 Java 프로그래밍
- 김윤명
- 한빛미디어
- 8979143974
- Aug. 31, 2006
- <http://kangcom.com/sub/view.asp?sku=200608240001&mcd=571>

Reference Sites

- <http://www.oracle.com/technetwork/java/index.html>
- <http://www.javaworld.com/>
- <http://www.developer.com/java>
- <http://www.jguru.com/>
- <http://www.javanuri.com/main/main.jsp>