Introduction to Java Programming

Bok, Jong Soon
javaexpert@nate.com
https://github.com/swacademy/Core-Java

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
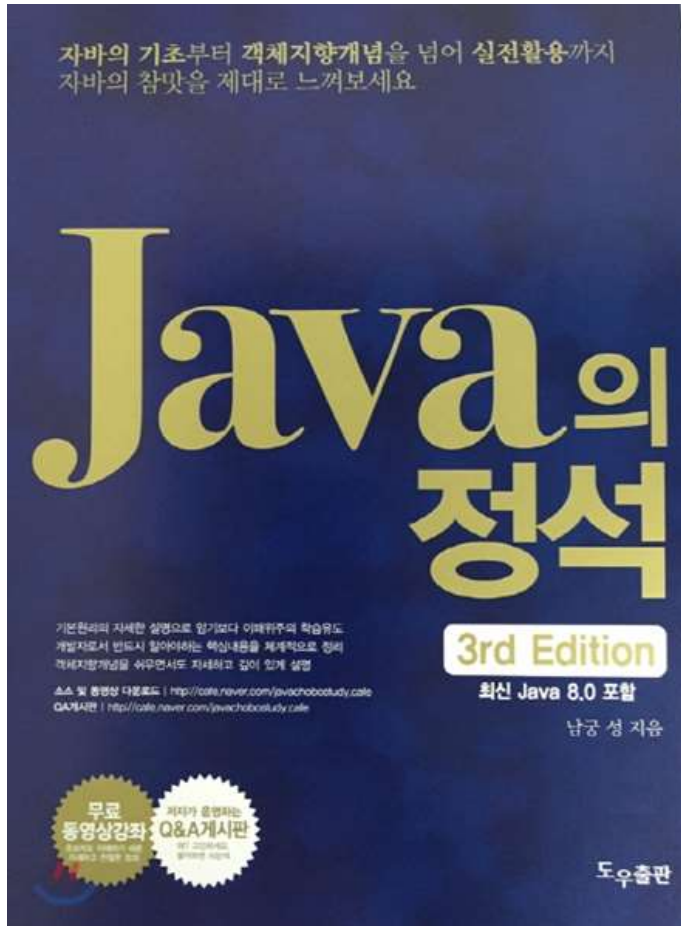- Chapter 12 : Exceptions and Assertions

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
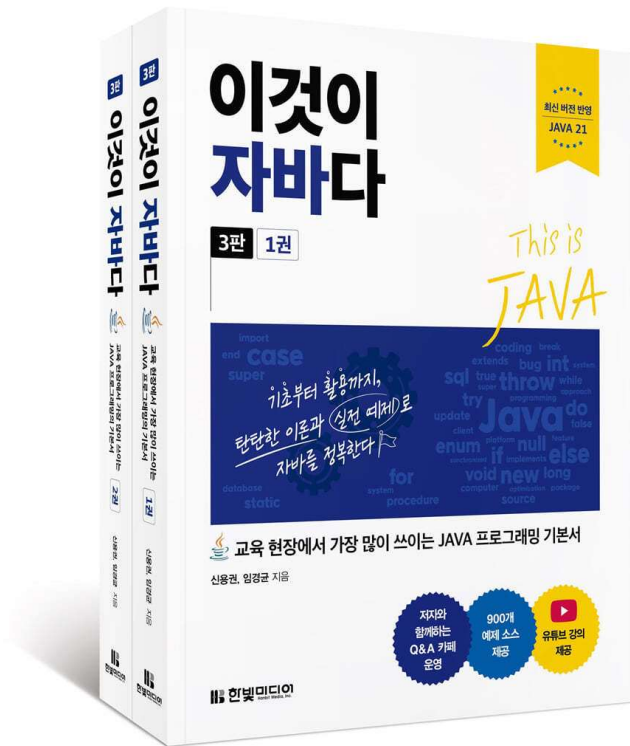- Chapter 17 : Java Stream API

Books
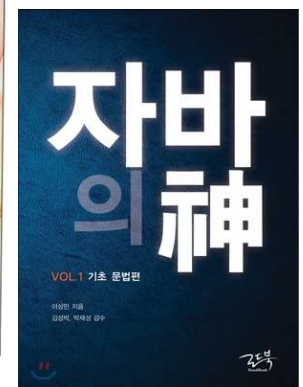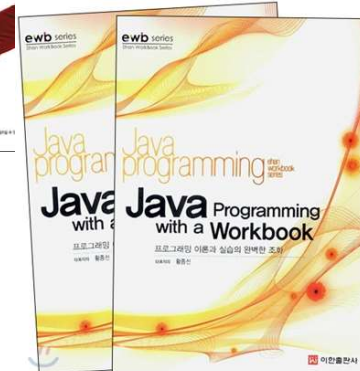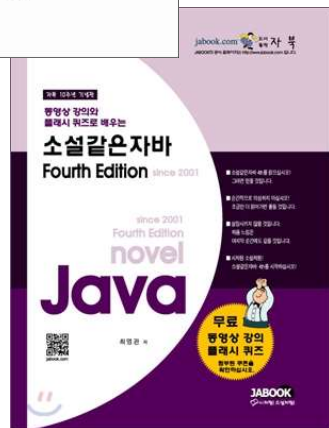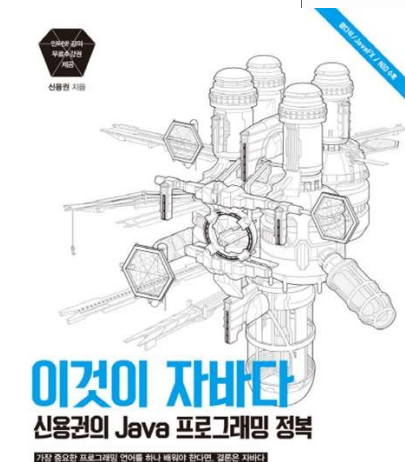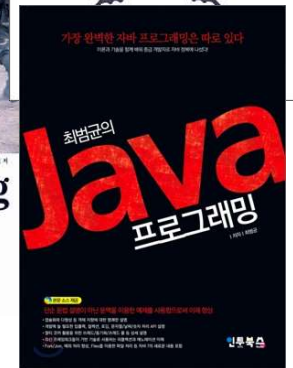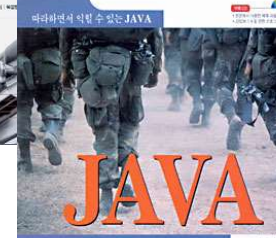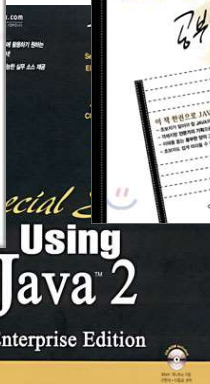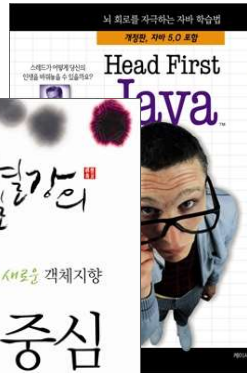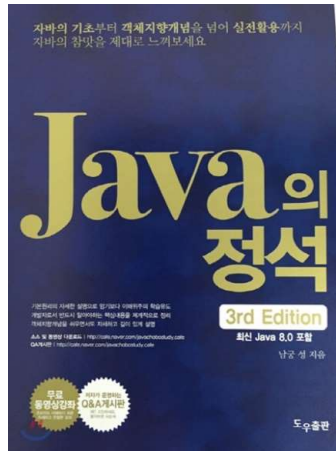
Books (Cont.)
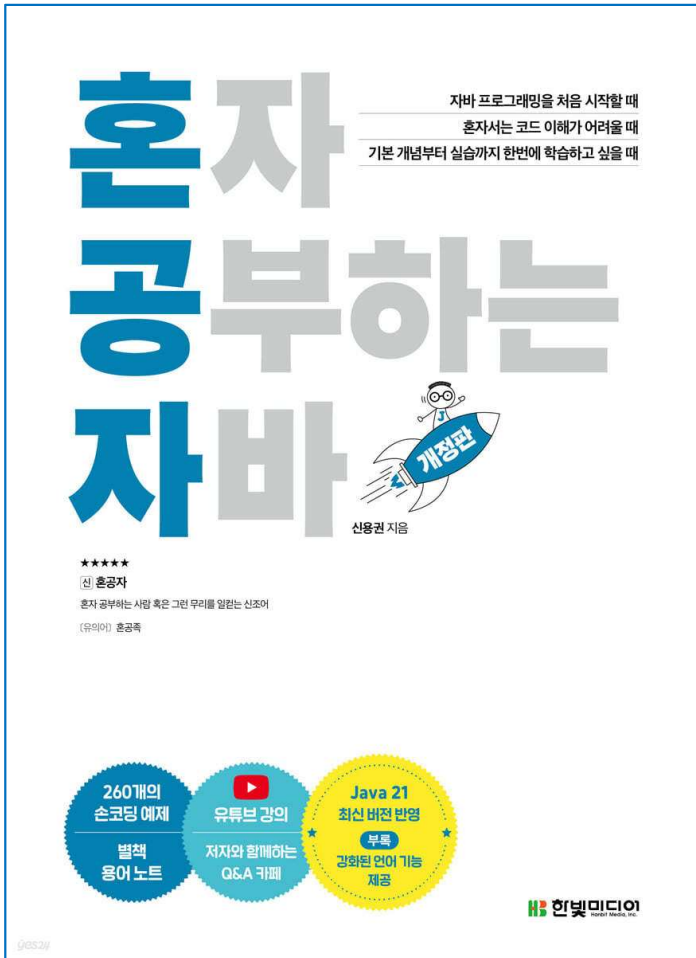
- Java의 정석 2rd Ed.
- 남궁성
- 도우출판
- 9788994492032
- Feb. 1, 2016
- https://www.yes24.com/Product/Goods/24259565

Books (Cont.)

- 이것이 자바다, 3rd.
- 신용권, 임경균
- 한빛미디어
- 9791169212298
- Apr. 1, 2024
- https://www.yes24.com/Product/Goods/125677017

Books (Cont.)

- 혼자 공부하는 자바
- 신용권
- 한빛미디어
- 9791169211901
- Feb. 1, 2024
- https://www.yes24.com/Product/Goods/124821050

Books

- 초보자를 위한 Java 200제, 2rd.
- 조효은
- 정보문화사
- 9788956747859
- Jul. 5, 2018
- https://www.yes24.com/Product/Goods/61940083

Books

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

Reference Sites

- http://www.oracle.com/technetwork/java/index.html
- http://www.javaworld.com/
- http://www.developer.com/java