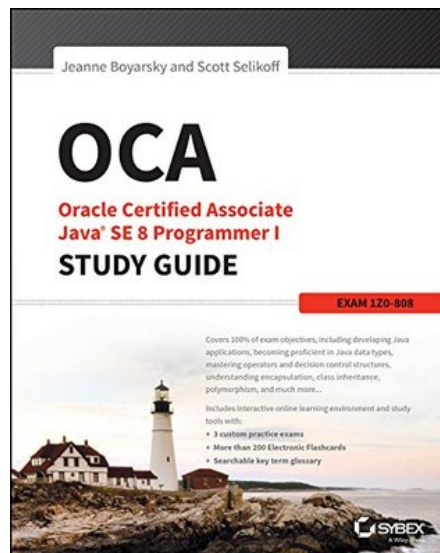




# OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide: Exam 1Z0-808

*Jeanne Boyarsky , Scott Selikoff*

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**OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide: Exam 1Z0-808** Jeanne Boyarsky , Scott Selikoff

**Full coverage of functional programming and all OCA Java Programmer exam objectives**

*OCA, Oracle Certified Associate Java SE 8 Programmer I Study Guide, Exam 1Z0-808* is a comprehensive study guide for those taking the Oracle Certified Associate Java SE 8 Programmer I exam (1Z0-808). With complete coverage of 100% of the exam objectives, this book provides everything you need to know to confidently take the exam. The release of Java 8 brought the language's biggest changes to date, and for the first time, candidates are required to learn functional programming to pass the exam. This study guide has you covered, with thorough functional programming explanation and information on all key topic areas Java programmers need to know. You'll cover Java inside and out, and learn how to apply it efficiently and effectively to create solutions applicable to real-world scenarios.

Work confidently with operators, conditionals, and loops Understand object-oriented design principles and patterns Master functional programming fundamentals

## OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide: Exam 1Z0-808 Details

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Author : Jeanne Boyarsky , Scott Selikoff

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## From Reader Review OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide: Exam 1Z0-808 for online ebook

### B. says

Simple and hands-on examples, excellent humor, and really evil text questions, all in the meaning of understanding the Java language. I don't know which one was harder, persuading myself to start reading this book, or trying to put it down after I've finally gotten myself into it. All in all, if you want to do anything with Java programming in the future, definitely sholudn't miss this one, greatly advised.

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### Tadeas Petak says

I found the book seriously good. Explanations are clear, examples abundant, the authors provide plenty of heads up regarding potential catches on the actual exam, as well as a large amount of practice questions.

As for the exam: I would not recommend taking it to anyone at least mildly experienced in Java. Yes, I did enjoy exploring a few obscure corners and discovered a couple of misconceptions I had had about some parts of the language. But on the whole, I do not think it is going to make me a better programmer and that should be the ultimate goal, in my opinion. Also, often it feels like you have to understand some intricacies of Java because of design decisions that turned out to be poor in retrospect or simply because the language has been around for too long and carries a lot of history - and implicitly clutter and some cumbersomeness - due to its age.

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### Valentyn Danylchuk says

This book has some basic knowledge you need for the exam, and it comes with 3 practice tests online, with a total of 180 questions. The tests come with a detailed explanation for the correct answers and are really useful. Don't get discouraged if you don't get a very high score in the practice tests. They are intentionally harder than the real one.

After using this guide, I had no problem passing the exam with a good margin above the passing score.

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### Moonfullofbooks says

**Title:** OCA Oracle Certified Associate Java SE 8 Programmer I Study Guide (on Librarything, Goodreads)

**Author:** Jeanne Boyarsky and Scott Selikoff

**Language:** English

**Series:** Sybex Study Guide (the first book in this Java exam series is the OCA book, the second one is the OCP book)

**Format of publication:** paperback

**Number of pages:** 379

**Publisher:** Sybex (Wiley)

**Year published:** original 2015, my edition 2015

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**ISBN number:** 9781118957400

**Topics:** Java 8

**Reason for reading:** I wanted to know in more detail which things are new in Java 8.

**Recommended:** Yes, if you want to take the OCA exam or just want to read a very detailed explanation about things in Java, starting with very basic concepts like variables and classes.

**Short summary:**

This book contains detailed explanations of many things in the Java 8 programming language, starting with the simplest things. It is written for people who are going to take the OCA exam.

**Back cover text:**

The *OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide* is your one-stop resource for complete coverage of Exam 1Z0-808. This Sybex Study Guide covers 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials and challenging chapter review questions. Reinforce what you have learned with the Sybex interactive online learning environment, accessible across multiple devices. Get prepared for the OCA exam with Sybex.

Coverage of 100% of all exam objectives in this Study Guide means you'll be ready for:

- Developing Java applications
- Becoming proficient in Java data types
- Mastering operators and decision control structures
- Constructing primitive and dynamic arrays
- Directing flow with loop mechanisms
- Defining methods, abstract and concrete classes, and interfaces
- Understanding encapsulation, class inheritance, and polymorphism
- Throwing and catching Java exceptions
- Working with the new Java 8 Local Date and Time API
- Introducing the new Java 8 Lambda predicate expressions

**First paragraph of the introduction:**

Java, "born" in 1995, is now just about 20 years old. As with anything 20 years old, there is a good amount of history and variation between versions of Java. Over the years, the certification exams have changed to cover different topics. The names of the exams have even changed. This book covers the Java 8 Oracle Certified Associate (OCA) exam.

If you read about "the exam" on the Web, you may see information about the older names for the exam. We've showed the changes in name. Here's what happened. Sun Microsystems used to have two exams. The SCJP (Sun Certified Java Programmer) was meant for programmers and the SCJA (Sun Certified Java Associate) was meant for those who wanted broader knowledge. When Oracle bought Sun Microsystems, they changed all the names from Sun to Oracle, giving us the OCJP and OCJA.

*Comments on the first paragraph:*

"We've showed the changes in name." refers to the figure below this paragraph.

**Review:**

**Content:**

*Introduction:*

The book starts with a description of the history of the Java exams, as well as what they are about and other useful information for if you want to take the exam. Apparently it's multiple choice only! They also describe how this book is organized, and where you can get more practice and help.

There's also a long list of all the exam objectives and in which chapter you can find information about each objective.

#### *Assessment Test:*

There are 20 questions with answers and they give a nice idea of how you can ask multiple choice questions about code. Doing this test before reading the book probably won't make you very happy (everyone I talked to had the same experience :P), even though it's interesting to look at each question and then at the answer, so it's actually better to revisit this test after reading the rest of the book.

#### *Chapter 1: Java Building Blocks*

The authors do mention that you need to have written a Java program before (in any Java version). This chapter covers basics like classes, methods, variables, primitives and reference types and garbage collection. In this area, there are no differences with the previous Java version.

There are also lots of tips about the OCA exam, things that appear later on in the book, things that were asked on previous OCA exams and not on the Java 8 exam anymore, etc. These comments are very useful for readers who indeed use this book to study for these exams.

The chapter ends with a summary and questions, as do all chapters.

#### *Chapter 2: Operators and Statements*

This chapter covers operators (like + and ++), if/else and switch statements, while- and for-loops, break and continue. It's quite noticeable that the goal of this book is to prepare readers for the OCA exam, as they note quite a few things that can appear in exam questions, but which you shouldn't use in real code.

#### *Chapter 3: Core Java APIs*

This chapter covers the String and StringBuilder class, == and equals(), arrays and ArrayList, and calendar data classes in Java. The way of working with dates and times has been changed in Java 8. This book mentions both the old and new ways, just in case you already learned how to work with these classes in previous Java versions (or you need to read older code). Because it's new, the chapter spends quite a lot of time on date/time examples.

#### *Chapter 4: Methods and Encapsulation*

About designing methods, including access modifiers (public, private, protected, and the default 'package private'), static, and other parts that can go into a method signature (like varargs), the difference between constructors and methods, pass-by-reference/pass-by-value, getters and setters (and why you'd use them), but also about lambda expressions (which are new in Java 8). The lambda expressions in this chapter are kept simple (only lambdas that return a boolean are given as examples), but there's more on lambda expressions in the OCP book (the second book in this series).

#### *Chapter 5: Class Design*

About inheritance, polymorphism and overriding, casting, super/this, and abstract classes and interfaces. Default and static interface methods are new in Java 8. It is quite a long chapter and it contains the most 'difficult' information of the entire book. The code examples are quite good at explaining the problems, though.

#### *Chapter 6: Exceptions*

Just as the title says, this chapter is about exceptions (checked and unchecked exceptions), but also about how to handle them and the try/catch/finally blocks (only the regular ones, not the try-with-resources - that will be covered in the OCP book).

#### *Appendix A: Answers to Review Questions*

These are the answers to the questions following each chapter. Look at the errata list mentioned below, because there are also some mistakes in this chapter (which isn't useful when trying to understand the right

answers).

### *Appendix B: Study Tips*

The authors give tips on how to study for the OCA exam, including planning and how to decide on the correct answer. These study tips are useful for other multiple choice exams as well, of course.

### **Writing style:**

It is written as if the authors are telling you about Java, so they try to explain everything as simple as possible and also use "you" a lot. Because of this, the sentences are quite simple as well.

### **Spelling errors/typos:**

Errata can be found [here](#).

Things I found that were not already on that list:

Page 127 (it's on the errata list as "There" with a capital T):

Again, there' no reason to use this style other than to confuse readers of your code. =

Again, there's no reason to use this style other than to confuse readers of your code.

Page 130 (not on the errata list):

Arrays do not do produce such pretty output. =

Arrays do not produce such pretty output.

Page 247 (not on errata list):

In this case, you can override a method a method by declaring a new method with the signature and return type as the method in the parent class. =

In this case, you can override a method by declaring a new method with the signature and return type as the method in the parent class.

Page 257 (not on errata list):

Luckily, the rules for variables with the same name in the parent and child classes are a lot simpler, because Java doesn't allow variables to be overridden but instead hidden. =

instead hidden???

Page 322 (not on errata list):

Why swallowing exception is bad =

Why swallowing exceptions is bad

### **Conclusion:**

Compared to other books about Java, this book (and mostly the questions) goes into detail on the topic of syntax a lot. This is because many questions ask whether the code compiles (which it doesn't if the syntax is incorrect). Other things to watch out for in the questions, are brackets and braces (the output can be different if brackets are missing). Most of these things are already caught by the IDE. The authors also mention things that are possible in Java, but shouldn't be used in real code as it makes finding bugs more difficult.

The book tries to include as many of such details as possible, so it tells you a lot about the Java language itself, but not about how to write good code. For that, you'd need another book.

### **Rereadability:**

It's a book you should re-read if you want to take the OCA exam.

### **Related links:**

- This review on my [weblog](#).

### **Ivan Calderon says**

Excelent book for study

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### **Katie Rhue says**

I picked up this book with a basic knowledge of how to code in Java. Passed the OCA exam (March 2018) like it was easy. The questions in the book and on the practice exams were more than adequate. If you can get to the point that you're comfortable with the questions they provide and think you even stand a chance of passing a test with similar questions, you can probably take the OCA exam. At least that was my experience, maybe I just got an easy test. I also learned a lot from the book so my code feels like it doesn't have any guesswork in it anymore. I'm excited to read their book for the OCP.

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### **Max says**

Good book to prepare for OCA exam, otherwise I wouldn't recommend reading it.

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### **Khaled Al-Ansari says**

This book aims to make you ready for the OCA (Oracle Certified Associate) exam through different examples that explains a lot of concept and tricks about Java also there's a bunch of questions at the end of each chapter.

Note that if you are an absolute beginner you must read a book before this, the authors suggested some books in the introduction for me I was already done with Head First Java (also in the authors suggestions)

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### **Maica Ballangan says**

Helped me pass my OCA certification within a month!

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### **Vítor Sousa says**

This book is a great help to understand the basic principles of Java.  
It also leaves you very well prepared for the OCA certification.

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### **Camilo Uribe says**

I read this book, did the enthuware mocks and got certified.

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### **Dmytro says**

Great book to prepare for Java certification

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### **Roberto Figueira Capelo says**

**Well write, so helpful.**

Easy to read, contain all important tips for the test and great coding samples snippet. I really highly recommend this book for who are thinking to take a java certification.

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### **Nick Tunac says**

Used this book for my preparation for Oracle Java SE 8 Programmer I examination backed with Enthuware mock exam.

Highly recommended book for exam takers.

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### **Anatoly Leonov says**

Good book for preparing to the exam, but not good to learning Java. Authors says about that so will not miss.

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