

# Java™ magazine

By and for the Java community 

# JUnit 5 Arrives!

14  
WHAT'S NEW  
IN JUNIT 5?

20  
RUNNING  
TESTS FROM  
JUNIT 4 AND 5

25  
JUNIT 5  
EXTENSIONS

36  
KENT BECK ON  
HIS EVOLVING  
VIEWS OF  
TESTING

43  
MUTATION  
TESTING

**SPECIAL  
ISSUE**

NOVEMBER/DECEMBER 2016









# JRebel

ZEROTURNAROUND

RELOAD CODE CHANGES  
INSTANTLY

**TRY IT NOW!**

Get a free  
t-shirt! →











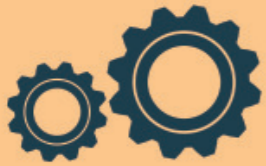


# DEVOXX™

## IS COMING TO THE UNITED STATES

DEVOXX US 2017  
SAN JOSE CONVENTION CENTER  
MARCH 21-23, 2017

### DEVOXX US FACTS



OVER 200 TECHNICAL SESSIONS



TARGETING 1000+ DEVELOPERS



AD HOC SPONSORSHIP OPPORTUNITIES  
GIVING YOU UNIQUE REACH TO DEVELOPERS



VARIETY OF SPONSORSHIP PACKAGES,  
STARTING AT \$5,000.

## WANT TO BECOME A SPONSOR?

### THE DEVOXX WAY - KEY DIFFERENTIATORS

Devoxx is the largest developer community conference series on the planet. Devoxx events are held annually in Belgium, France, UK, Poland, Morocco, and ... beginning in 2017, in the USA.

Our mission is to offer passionate developers the best place to network, hack, get inspired and learn.

- All conference sessions are recorded and published online
- Curated by developers, for developers
- Devoxx is vendor neutral and community driven
- Low cost entrance fee attracts developers from around the globe



### SPONSORSHIP INFORMATION

CONTACT [SPONSORS@DEVOXX.US](mailto:SPONSORS@DEVOXX.US) OR VISIT [DEVOXX.US/SPONSORS-2017](http://DEVOXX.US/SPONSORS-2017)



IJ  
—

# IntelliJ IDEA

CAPABLE AND  
ERGONOMIC JAVA\* IDE

**Get it now**

or visit [jb.gg/java](https://jb.gg/java)

**JET  
BRAINS**  
—

\*Actually, much more than just Java











































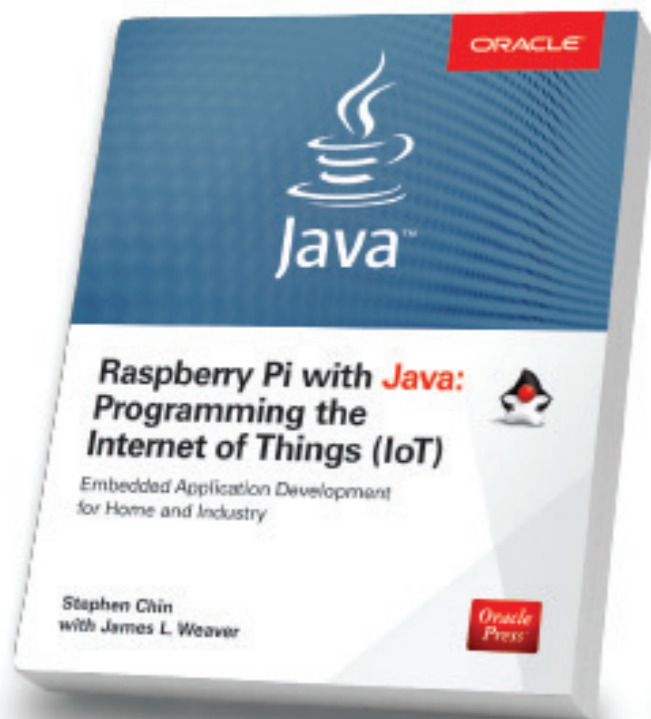








Written by leading Java experts, Oracle Press books offer the most definitive, complete, and up-to-date coverage of Java available.



**Raspberry Pi with Java:  
Programming the  
Internet of Things (IoT)**

*Stephen Chin, James Weaver*

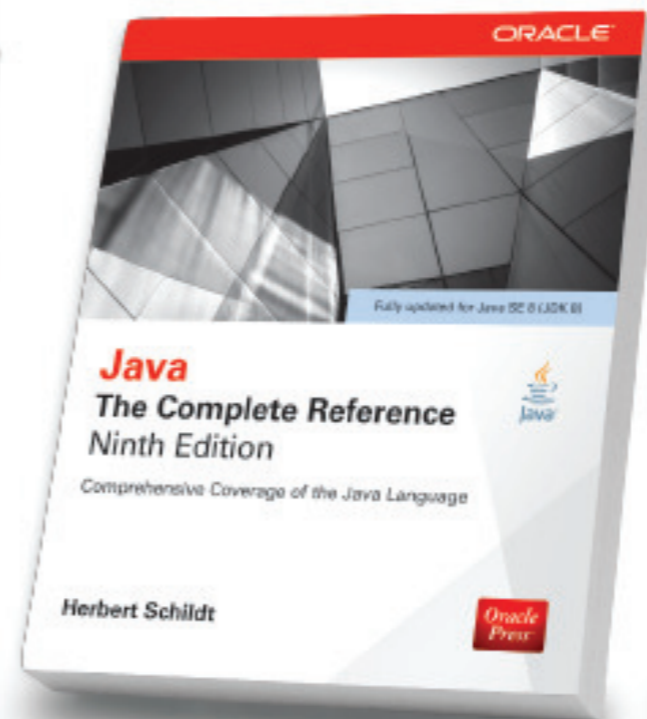
Use Raspberry Pi with Java to create innovative devices that power the internet of things.



**Introducing JavaFX 8  
Programming**

*Herbert Schildt*

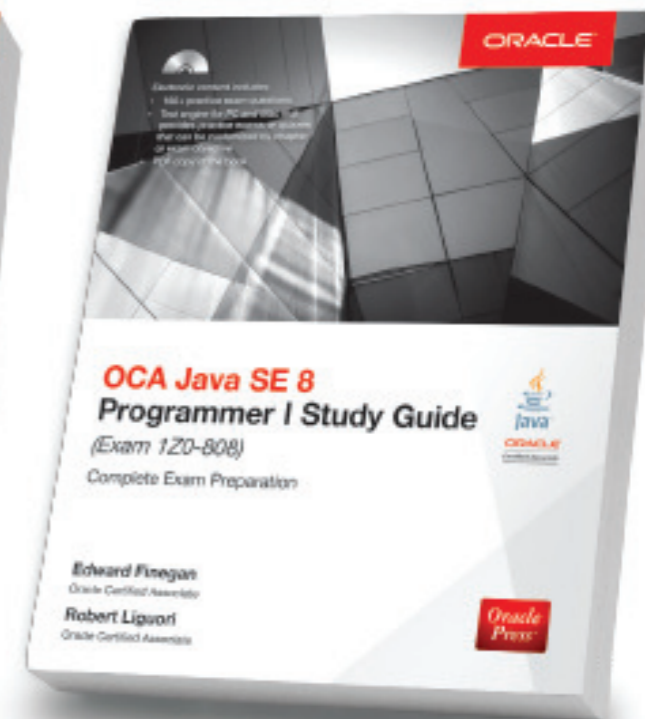
Learn how to develop dynamic JavaFX GUI applications quickly and easily.



**Java: The Complete Reference,  
Ninth Edition**

*Herbert Schildt*

Fully updated for Java SE 8, this definitive guide explains how to develop, compile, debug, and run Java programs.



**OCA Java SE 8 Programmer I  
Study Guide (Exam 1Z0-808)**

*Edward Finegan, Robert Liguori*

Get complete coverage of all objectives for Exam 1Z0-808. Electronic practice exam questions are included.























































































