JDK 8 Massive Open and Online Course: Lambdas and Streams Course Information

Course Structure and Format

This course is not a traditional instructor-led, classroom training event. Instead, the course is designed to put you, the learner, at the center of the learning experience. Rather than a multi-day or week-long course, this course is delivered to you over a 3-week period.

Each week a new lesson will be provided through the Oracle Learning Library (OLL) platform. The lesson content may consist of:

- **Video "lecture" material**: these are annotated and include a voice-over and closed captions.
- **Homework**: the homework is your chance to put what you've learned in the week into practice. The homework is not "graded" and we encourage you to write additional code beyond what we have asked of you. And if you have questions, comments, or want to share your code, we encourage you to do so through the Forum for the course.
- **Quizzes**: the quiz is how you measure your understanding of the material presented in the week and the homework. This isn't a test of memorization, and we encourage you to look up the answers and/or write some code to provide yourself with the answer. The point of the quiz is to ask you questions and push your thought process.

What will you learn?

The course is an introduction to Lambda Expressions and the Streams API. The focus of this course is to familiarize you with functional programming in the Java programming language.

Expectations and Time Commitment

To get the most out of the course, we recommend that you:
- Watch the videos carefully
- Try out the examples
- Work the homework problems
- Interact with other students on the forum or in-person meet ups
- Try the quizzes

Each student's experience will be different, but consider setting aside 3 to 4 hours per week to complete these tasks.

Target Audience

This course is designed for the experience Java programmer who is new to functional programming with JDK 8.

What is required (hardware, software)

- Any Integrated Development Environment (IDE) you wish, as long as it supports JDK 8. We will be using NetBeans.
- Java SE 8 (JDK 8) – any version, but the latest is always the best idea.

Quizzes and grading

Each week, we will ask you to take a quiz that helps us determine that you completed the homework assignments. Again, this is different from a traditional instructor-led course, but we felt that the quiz would help you to put the effort into to writing the code for the homework project, and might also help you to learn some new things along the way.

When and how to get a Course Completion Award

When you have successfully completed the quizzes for the 3 week course, you will receive a course completion award for the course. We set the score required for the course at 70%. You are encouraged to have your completion award framed.

Using the Discussion Forum

We have created a forum on the Oracle Technology Network (OTN) website. The forum is where you will find your peers taking the course, and the course developers and subject matter experts. Please, please use the forum! We believe that one key aspect missing from on-line training is the learning that comes from engaging others through questions, discussions, and general comments. Some ideas for using the forum:

- Ask any question (as long as it relates to the course please!)
- Set up meeting with peers who are local
- Proudly post your code!
- Ask for advice
- Exchange code recipes

Still have questions?

The forum is an excellent source of answers to your questions about the course, or help with an assignment.

If you have a question about something else, please send us an e-mail: mailto:java-mooc-support@beehiveonline.oracle.com.