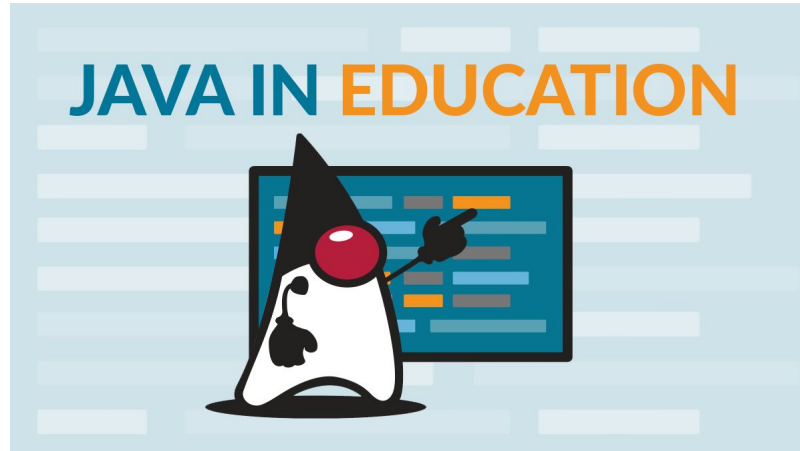
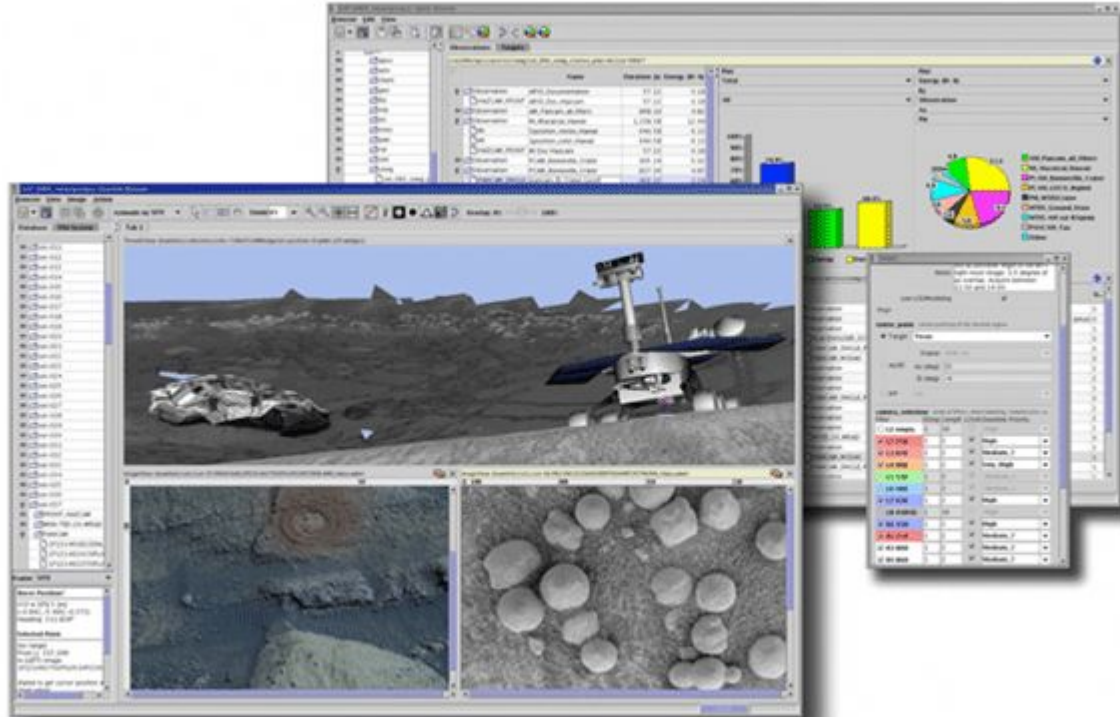


Java in Education - bring Java to Young Developers

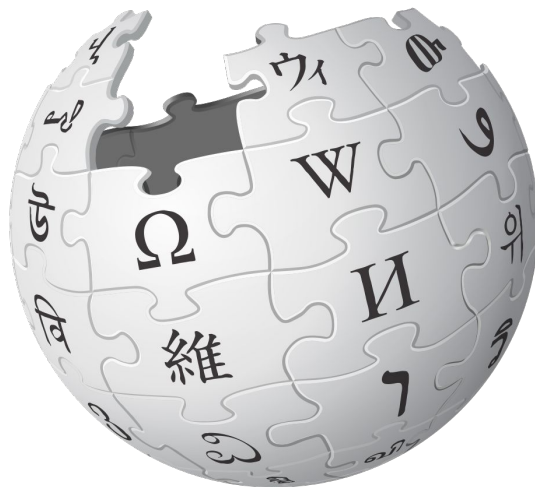
JUG Leader name here



Where is Java used?



Where is Java used?



WIKIPEDIA
The Free Encyclopedia

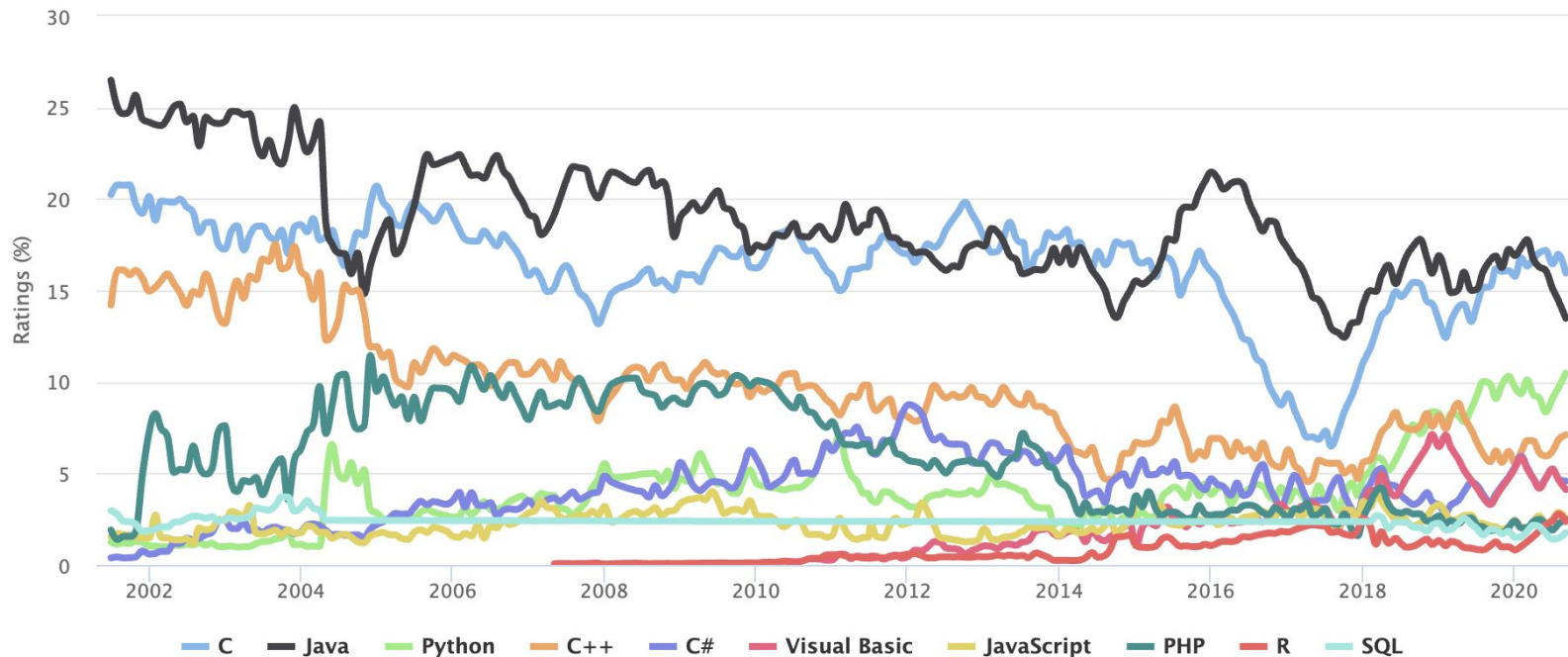
Where is Java used?



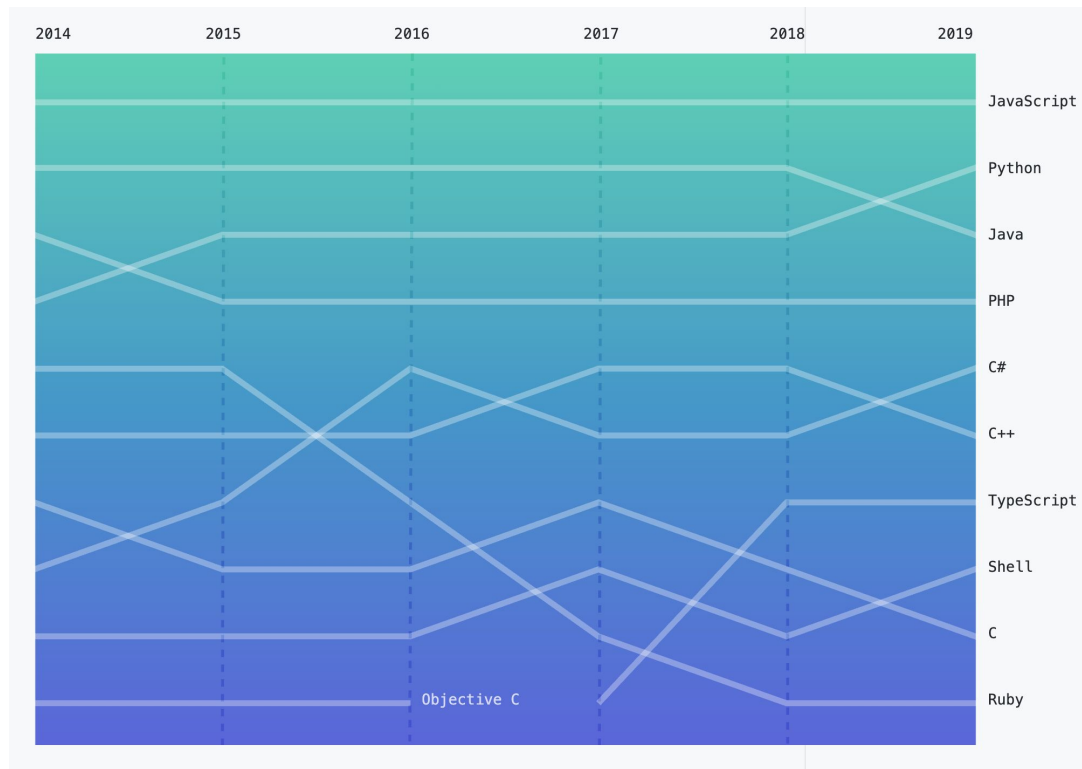
Popularity of programming languages

TIOBE Programming Community Index

Source: www.tiobe.com



Language usage around the world



Insight into potential future trends



Java everywhere!



#1
Programming
Language



12+
Million
Developers
Run Java

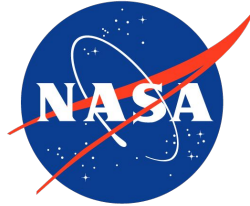


51 Billion
Active
Virtual Machines

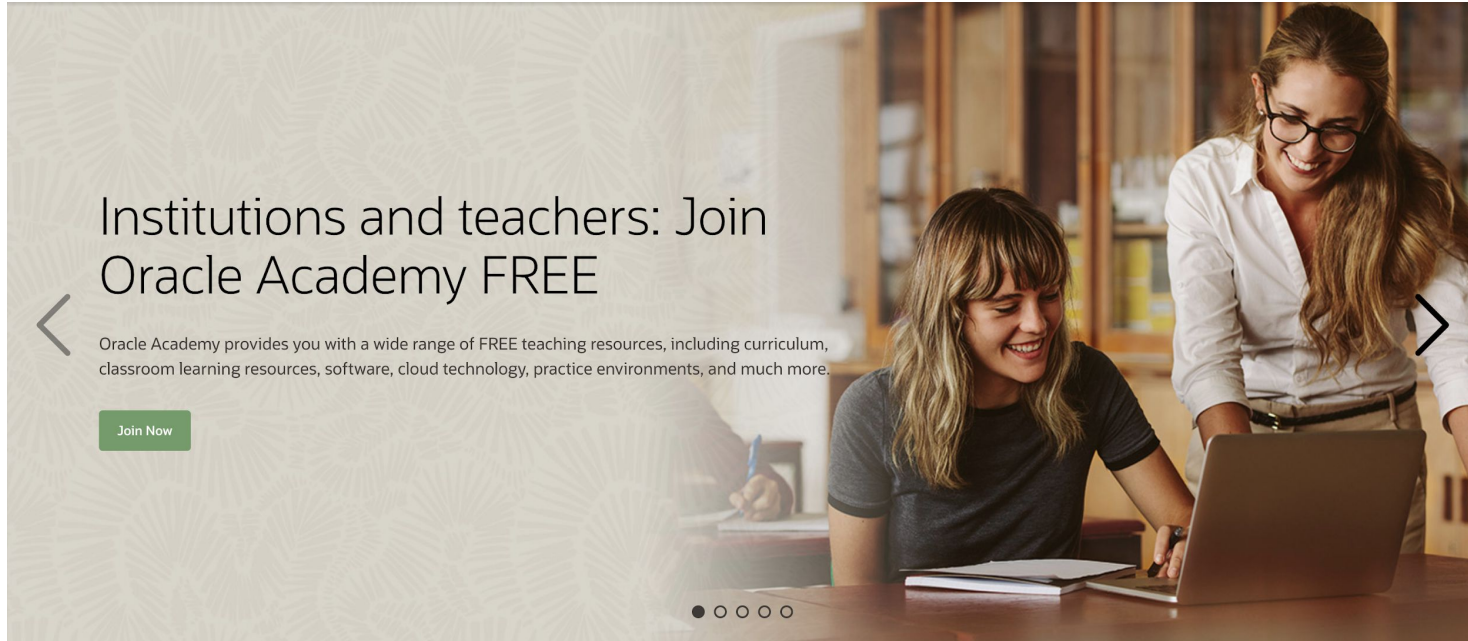


30 Billion
Cloud Connected
Virtual Machines

Which company uses Java?



How to get started with Java?

A promotional banner for Oracle Academy. It features a background image of two women, one sitting and one standing, looking at a laptop in a classroom setting. The text is overlaid on the left side of the image. There are navigation arrows on the left and right sides of the text area, and a series of five dots at the bottom center, with the first dot filled in.

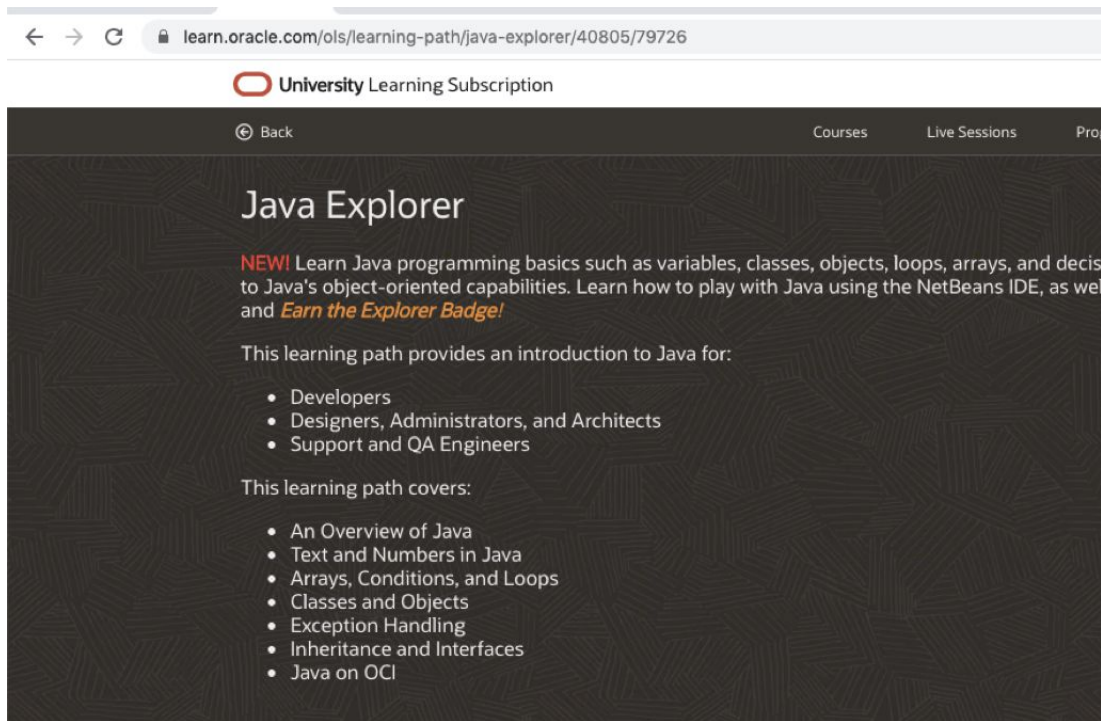
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Java Explorer - 6+ hrs of free training



The screenshot shows a web browser window with the URL learn.oracle.com/ols/learning-path/java-explorer/40805/79726. The page header includes the Oracle University Learning Subscription logo and navigation links for Back, Courses, Live Sessions, and Programs. The main content area has a dark background with a geometric pattern. It features the title "Java Explorer" and a "NEW!" announcement. The text describes the learning path as an introduction to Java programming basics, including variables, classes, objects, loops, arrays, and decision-making capabilities, as well as using the NetBeans IDE and earning the Explorer Badge. It lists the target audience as Developers, Designers, Administrators, and Architects, and Support and QA Engineers. Finally, it lists the topics covered in the learning path.

University Learning Subscription

Back Courses Live Sessions Programs

Java Explorer

NEW! Learn Java programming basics such as variables, classes, objects, loops, arrays, and decisions to Java's object-oriented capabilities. Learn how to play with Java using the NetBeans IDE, as well as *Earn the Explorer Badge!*

This learning path provides an introduction to Java for:


- Developers
- Designers, Administrators, and Architects
- Support and QA Engineers

This learning path covers:


- An Overview of Java
- Text and Numbers in Java
- Arrays, Conditions, and Loops
- Classes and Objects
- Exception Handling
- Inheritance and Interfaces
- Java on OCI

learn.oracle.com/ols/learning-path/java-explorer/40805/79726



Java Training & Certifications




Java SE 11 Oracle Training and Certification



Click on any training or exam name to learn more

<p>I'm a student</p> <p>Take this training</p> <p>Choose one course to get started</p> <p>Java Foundations - Oracle Academy course Java Explorer Learning Path in the Java Learning Subscription</p> <p>Take this exam</p> <p>Java Foundations 1Z0-811</p> 	<p>I'm a Java Oracle Certified Professional (OCP) or Oracle Certified Associate (OCA) on any earlier version of Java</p> <p>Take this training</p> <p>Choose one course to get started</p> <p>Java SE 11 Programming Complete Java SE 11: New Features (free video) Find this training and more in the Java Learning Subscription</p> <p>Take this exam</p> <p>Java SE 11 Developer 1Z0-819</p>	<p>I'm a Java Oracle Certified Professional (OCP) on Java SE 6, 7, or 8 (alternative upgrade path)</p> <p>Take this training</p> <p>Java SE 6, 7 OCPs</p> <p>Java SE 11 Programming Complete Java SE 11: New Features (free video) Find this training and more in the Java Learning Subscription</p> <p>Java SE 8 OCPs</p> <p>Java SE: Exploiting Modularity and Other New Features Java SE 11: New Features (free video) Find this training and more in the Java Learning Subscription</p> <p>Take this exam</p> <p>Upgrade OCP Java 6, 7 & 8 to Java SE 11 Developer 1Z0-817</p> 	<p>I'm new to Java</p> <p>Take this training</p> <p>Get Started</p> <p>Find this training and more in the Java Learning Subscription Java SE 11 Programming Complete</p> <p>Take this exam</p> <p>Java SE 11 Developer 1Z0-819</p>
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Get this Oracle Certification Credential:

Workshop in a box

← → ↺ academy.oracle.com/en/solutions-curriculum.html#:~:text=Learning%20in%20Java-,Java%20Fundamentals,to%20create%20basic%20Java%20programs. ☆

Java Curriculum

To help students advance object-oriented programming skills in Java, Oracle Academy offers Java Fundamentals, Java Foundations and Java Programming curriculum, designed for secondary and post-secondary learners. Artificial Intelligence with Machine Learning in Java is suited for more advanced students who have gained fundamental knowledge of object-oriented concepts, data structures, recursion, and Java terminology and syntax from those previous courses.

With Oracle Academy curriculum, students engage in hands-on learning in Java and also develop problem-solving, collaboration, and critical-thinking skills to help them advance in computing across industries.

```
graph TD; A[Getting Started with Java Using Alice (8 Hours)] --> B[Java Fundamentals (90 Hours)]; B --> C[Java Foundations (90 Hours)]; C --> D[Java Programming (90 Hours)]; E[Creating Java Programs with Greenfoot (16 Hours)] --> C; F[Programming the Finch Robot in Greenfoot (8 Hours)] --> G[120-811 Java Foundations Certified Junior Associate]; H[Programming the Finch Robot in Java (8 Hours)] --> I[Artificial Intelligence with Machine Learning in Java (40 Hours)];
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A4 data sheet English 8.5 x 11 data sheet English A4 data sheet Italian

academy.oracle.com/en/solutions-curriculum.html#java1-tab



JetBrains Academy – the Hands-on Platform for Learning to Program

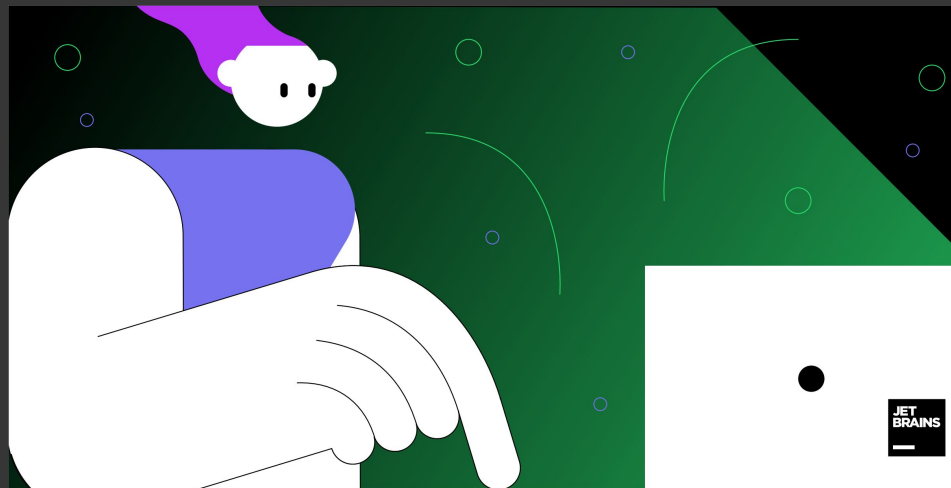
- Project-based learning: learn Java step by step by building working applications.
- Knowledge Map with single-concept Java topics and connections between them.
- Your own personal study plan.
- Text-based tutorials and interactive challenges.
- Integration with professional JetBrains IDEs.
- A community of over 235k learners.
- After completing projects, publish them to GitHub to build your developer portfolio.



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[jb.gg/academy/java in education](https://jb.gg/academy/java_in_education)

Join a Java User Group - around the world!

JUGs around the World - Driving Adoption



Next steps

Educators

1. Sign up as an Institutional Member of Oracle Academy to access Java resources including workshop in a box resources or full curriculum to utilize in the classroom to teach students.
2. If you work at an educational institution? Check to see if your institution is already a member.
3. JUG Leaders: Learn more by visiting the Oracle Academy website or contacting the Oracle Academy team; sign up as an Individual to teach a Workshop in a Box..

Students

1. Take free Java course
2. Contact your local Java User Group (JUG).
3. Attend meetup and introduce yourself.
4. Ask for suggestions and recommendations for the JUG on the discussion list.
5. Offer to provide feedback and suggestions on your experience with (learning) Java.

Resources

Bring Java to next generation of developers:

<https://jcp.org/java-in-education>

- Presentation: <https://community.oracle.com/docs/DOC-1038294>
- Recording of JCP EC Meeting where it was presented available: <https://jcp.org/aboutJava/communityprocess/ec-public/materials/2020-06-09/JCP-EC-Minutes-June-2020.html>
- Coming soon:
 - How Java is used in Industry (hear from JCP Members)
 - How to host a discussion with your community members about getting involved with the initiative