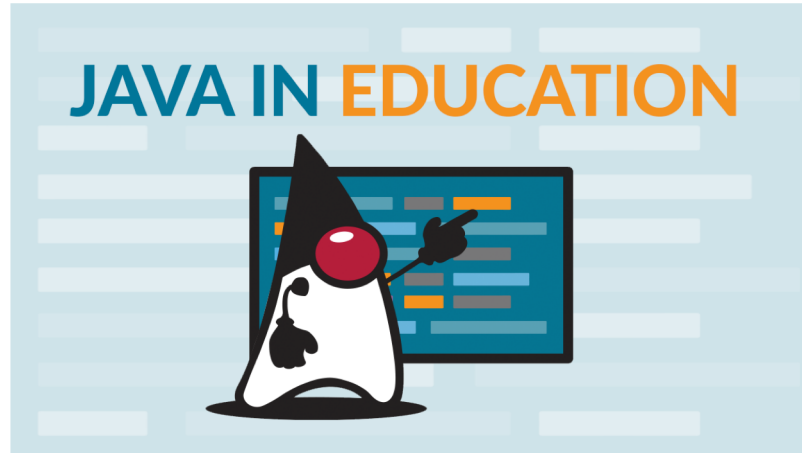


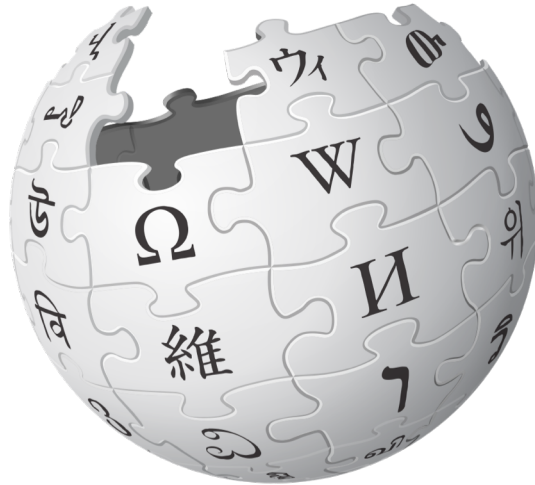
# Java in Education - Bring Java to Young Developers

JUG Leader name here





Where is Java used?



**WIKIPEDIA**  
The Free Encyclopedia

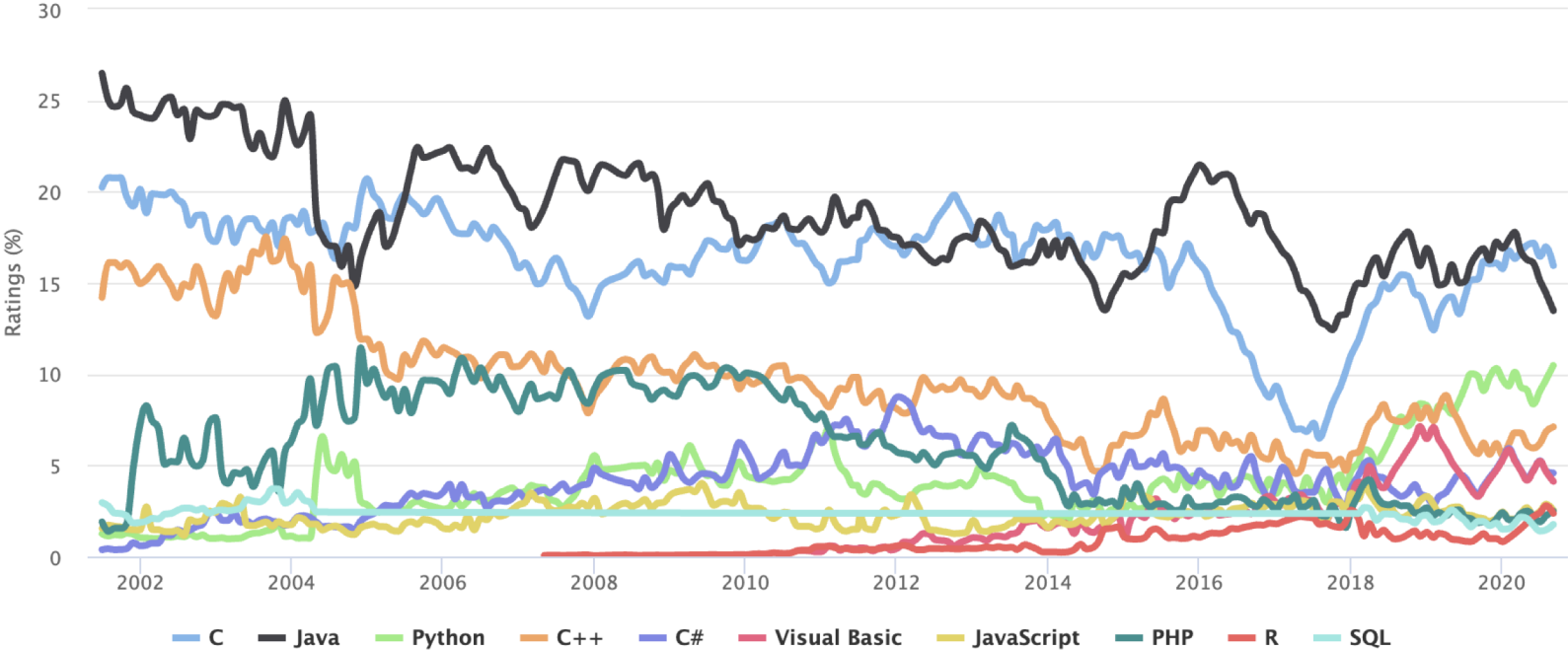
Where is Java used?



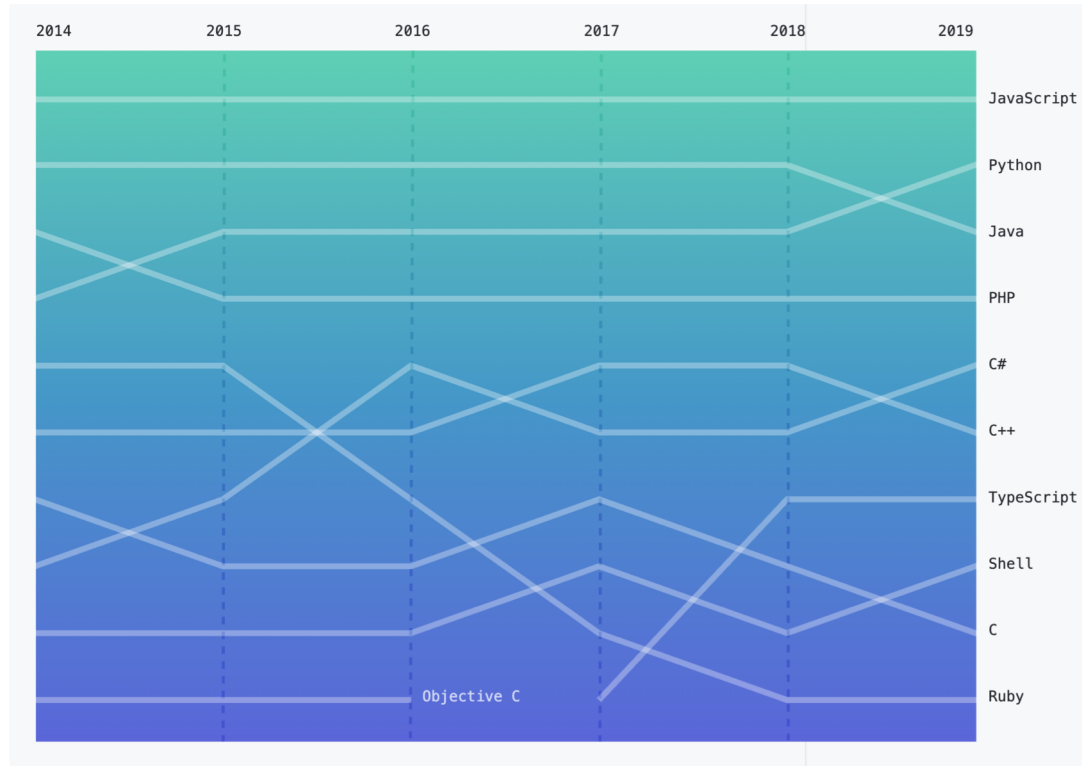
# Popularity of programming languages

TIOBE Programming Community Index

Source: [www.tiobe.com](http://www.tiobe.com)



# Language usage around the world





# Java everywhere!



**#1**  
Programming  
Language



**12+**  
**Million**  
Developers  
Run Java



**51 Billion**  
Active  
Virtual Machines



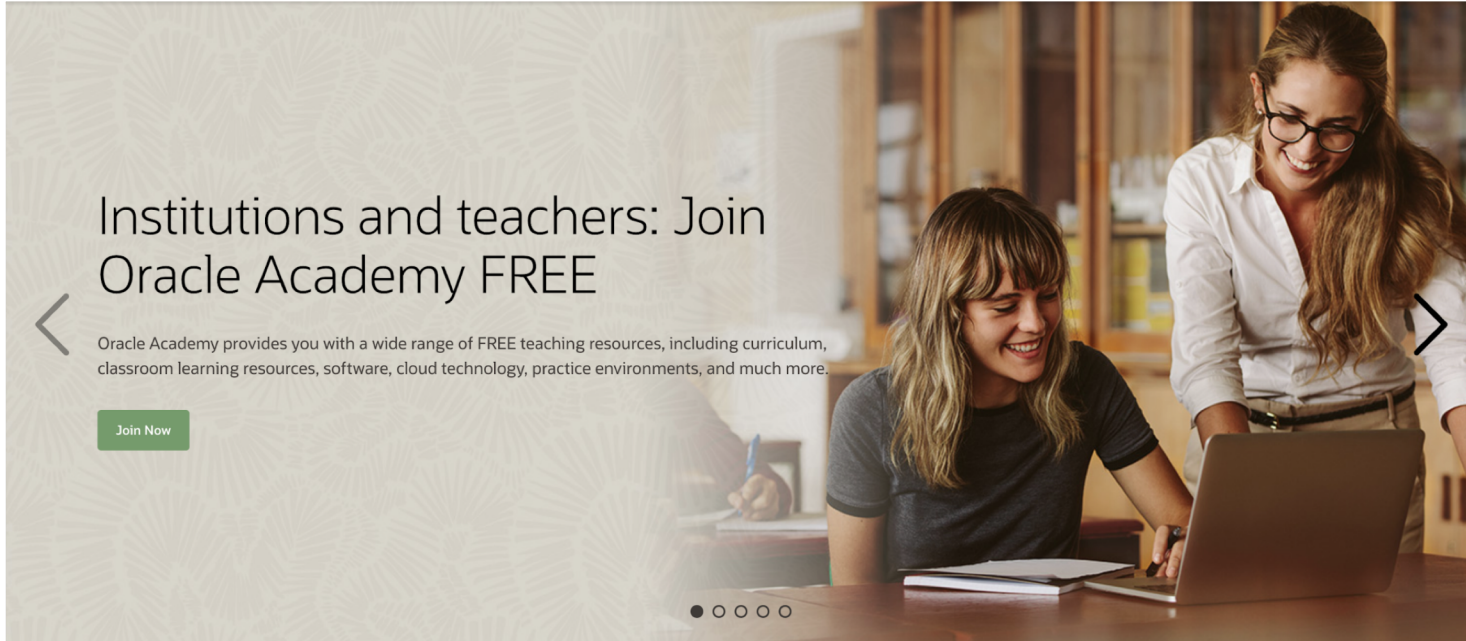
**30 Billion**  
Cloud Connected  
Virtual Machines



Which company uses Java?



# How to get started with Java?



Institutions and teachers: Join  
Oracle Academy FREE

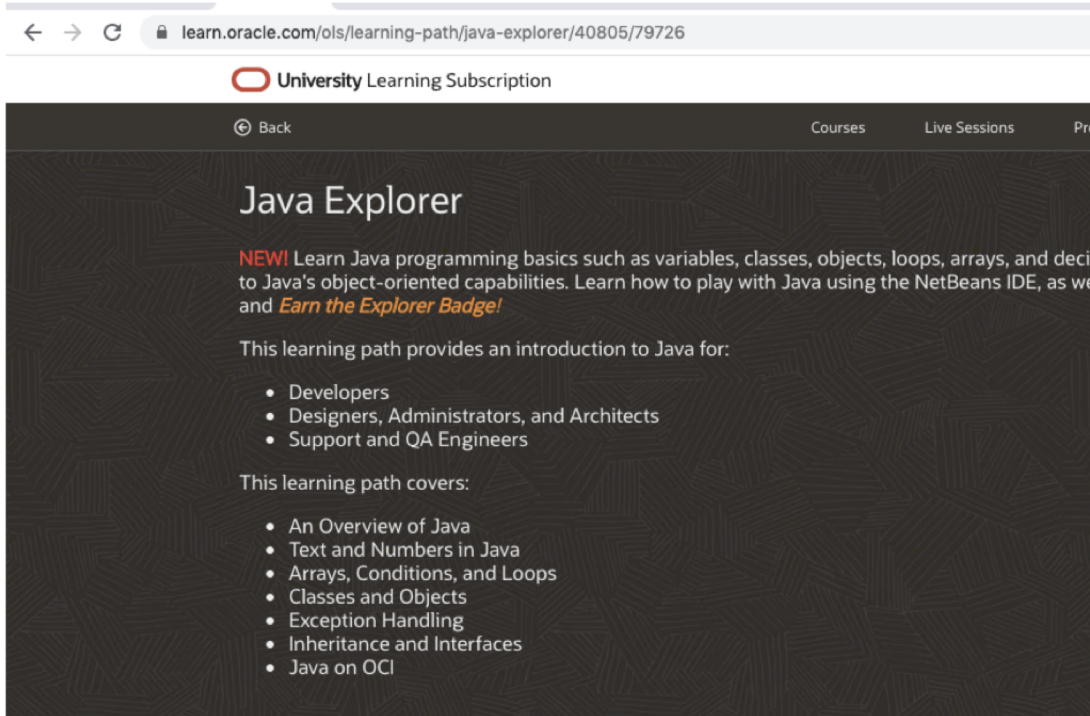
Oracle Academy provides you with a wide range of FREE teaching resources, including curriculum, classroom learning resources, software, cloud technology, practice environments, and much more.

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[academy.oracle.com](https://academy.oracle.com)

# 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](https://learn.oracle.com/ols/learning-path/java-explorer/40805/79726). The page is titled "Java Explorer" and is part of the "University Learning Subscription". The main content area has a dark background with a subtle pattern. It features a "NEW!" announcement in red text, followed by a description of the learning path and a list of topics covered.

University Learning Subscription

Back Courses Live Sessions Proj

## 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](https://learn.oracle.com/ols/learning-path/java-explorer/40805/79726)

# Java Training & Certifications




**ORACLE**  
University

## Java SE 11 Oracle Training and Certification

Click on any training or exam name to learn more

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

Get this Oracle Certification Credential:



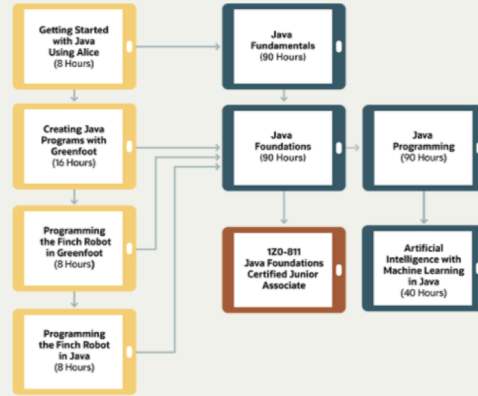
# Workshop in a box

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.



A4 data sheet English



8.5 x 11 data sheet English



A4 data sheet Italian

[academy.oracle.com/en/solutions-curriculum.html#java1-tab](https://academy.oracle.com/en/solutions-curriculum.html#java1-tab)



# Learn Java by building working applications



- Project-based learning: learn Java 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 270k learners.
- After completing projects, publish them to GitHub to build your developer portfolio.

Extended 3-month free trial on JetBrains Academy: [jb.gg/academy/java\\_in\\_education](https://jb.gg/academy/java_in_education)

# JUGs around the World - Driving Adoption



# Next steps

## Educators/Community Leaders

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 Oracle University Java Explorer 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> (join the groups.io list here)

- 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