Java in Education - bring Java to Young Developers

JUG Leader name here

JAVA IN EDUCATION
Where is Java used?
Where is Java used?
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?

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.

Join Now

academy.oracle.com
Java Explorer - 6+ hrs of free training

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

education.oracle.com
Workshop in a box

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.

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.

@JetBrains_Edu
academy@jetbrains.com

Extended 3-month free trial on JetBrains Academy:
jb.gg/academy/java_in_education
Join a Java User Group - around the world!
# 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