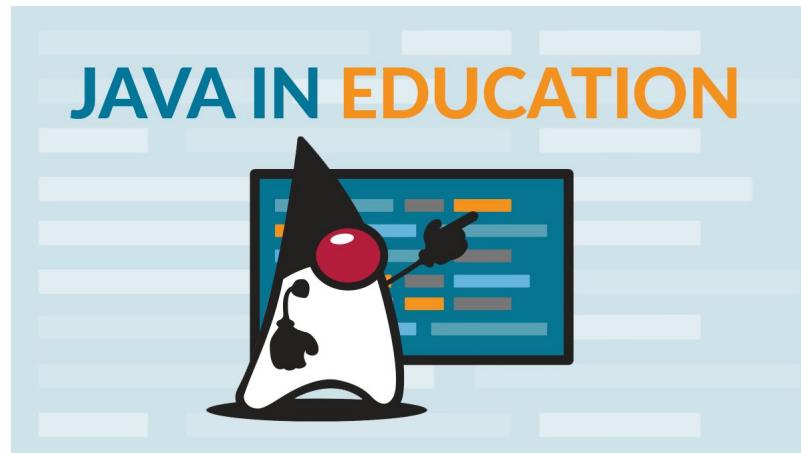
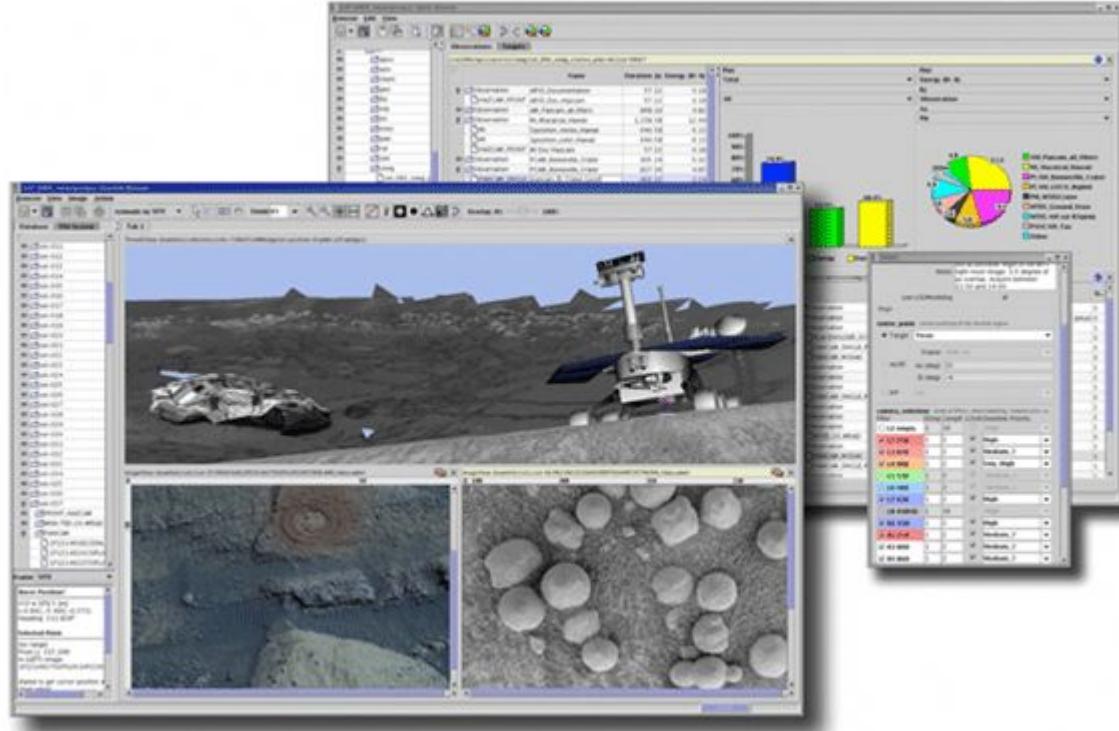


¿Qué es Java y por qué deberías aprenderlo?

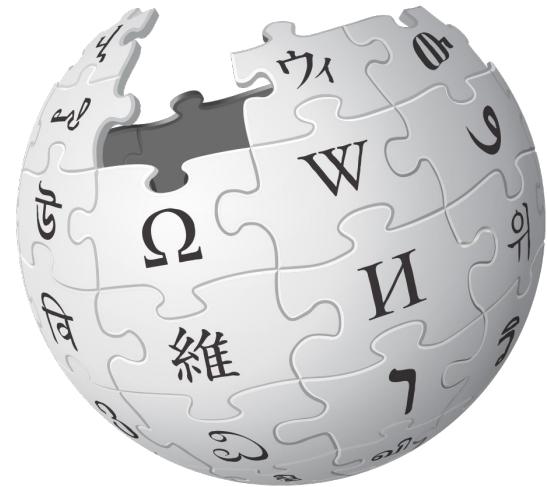
Heather VanCura



Donde es Java utilizado?



¿Donde es Java utilizado?



WIKIPEDIA
The Free Encyclopedia

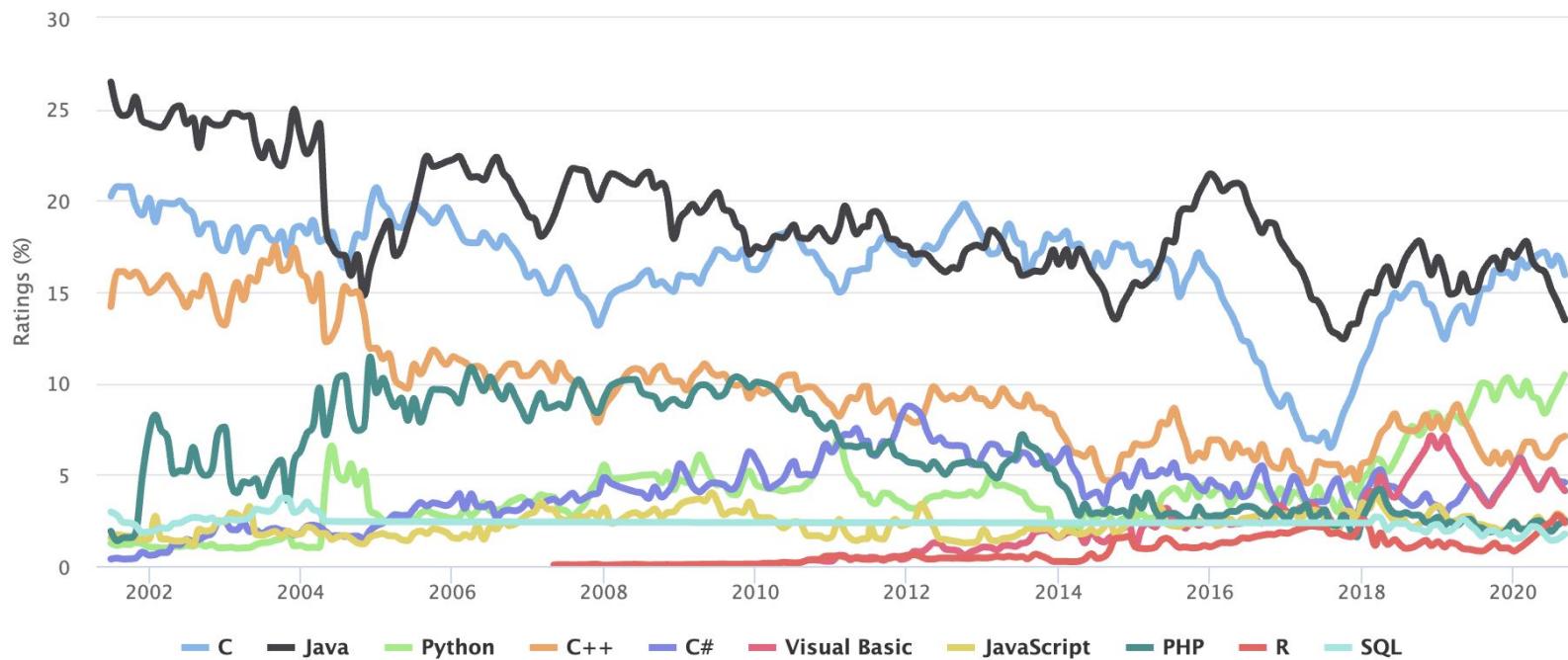
¿Donde es Java utilizado?



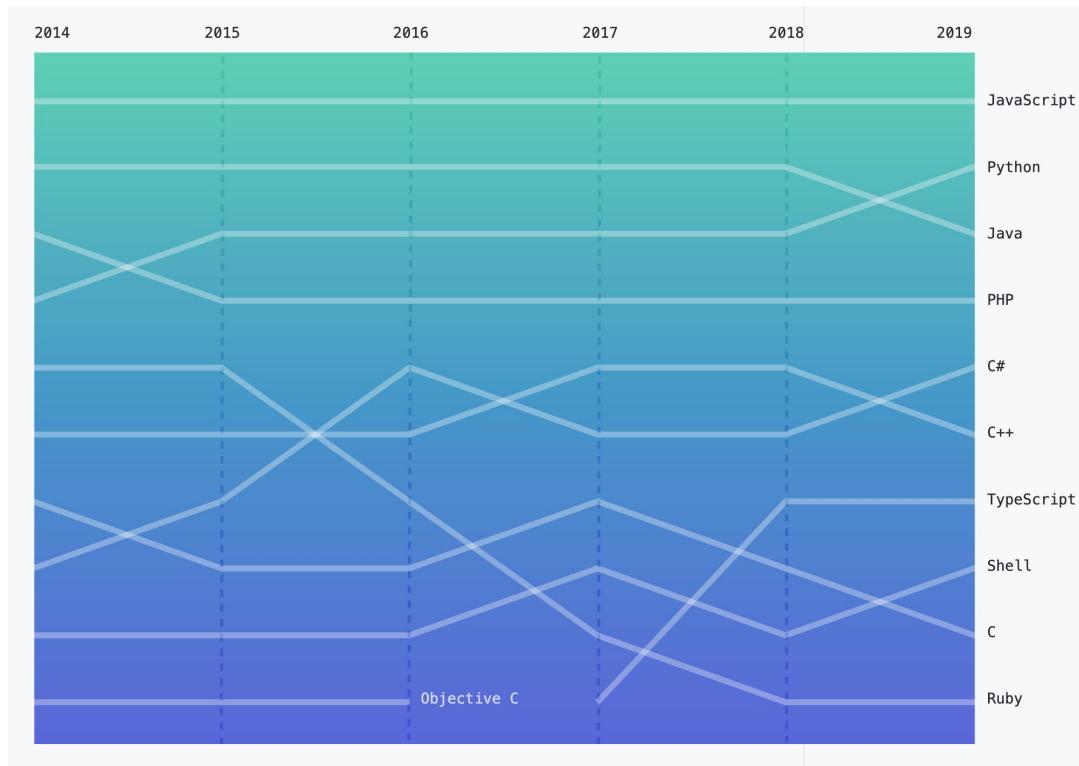
Popularidad de los lenguajes de programación

TIOBE Programming Community Index

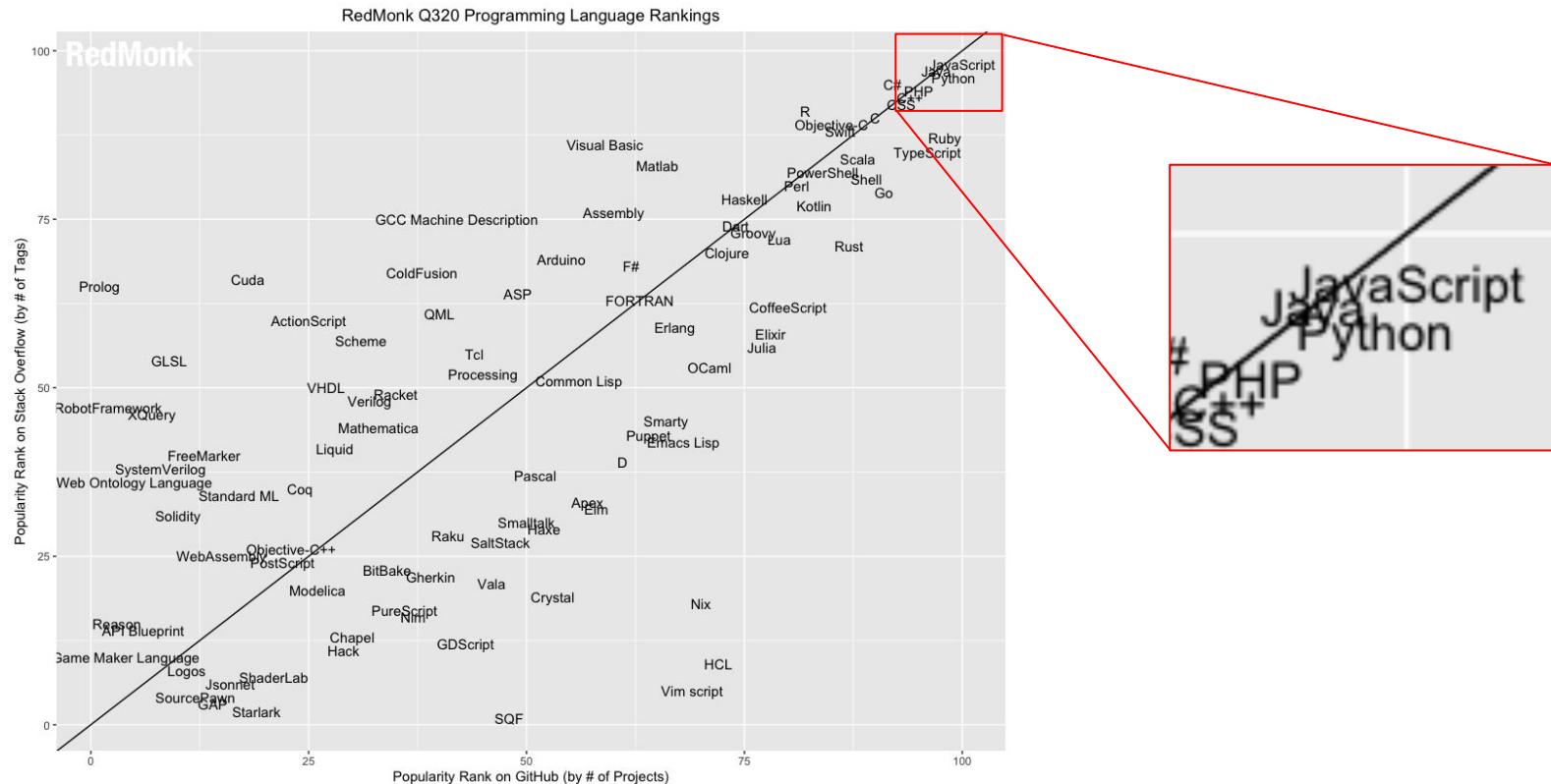
Source: www.tiobe.com



Uso de los lenguajes de programación en todo el mundo.



Información sobre posibles tendencias futuras



Java en todas partes!



#1
Programming
Language



12+
Million
Developers
Run Java



51 Billion
Active
Virtual Machines

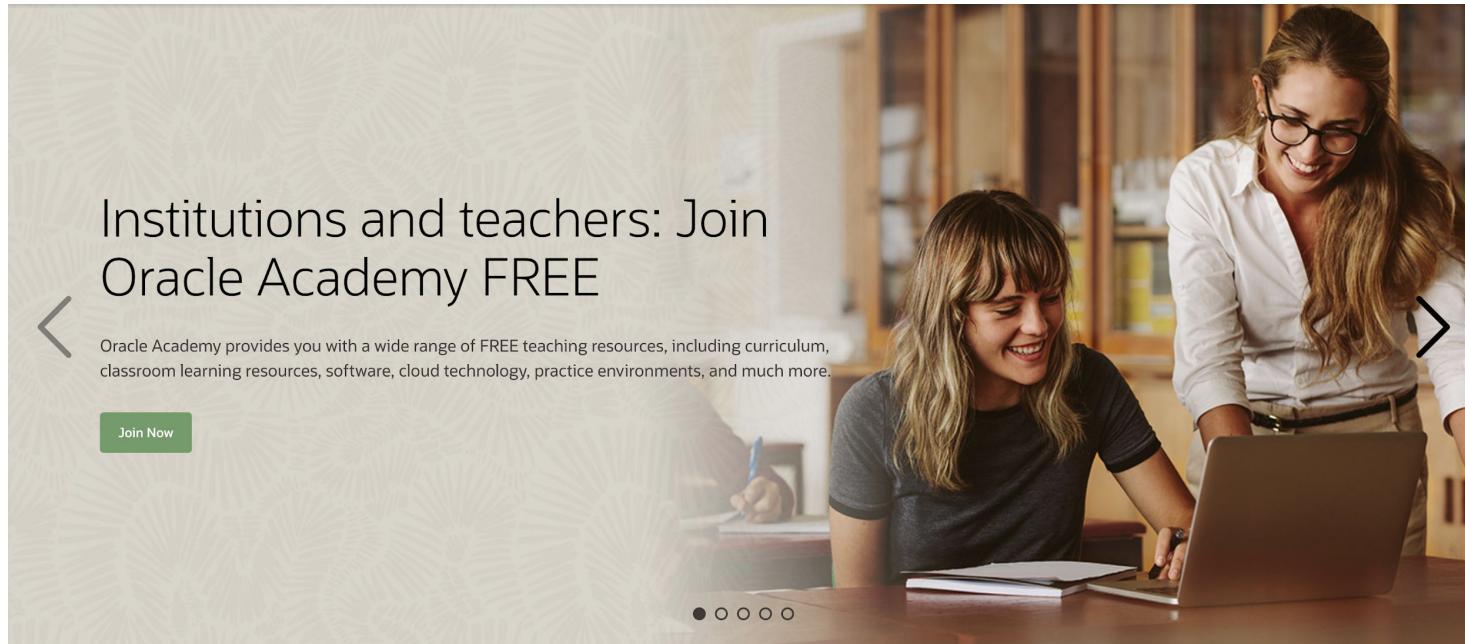


30 Billion
Cloud Connected
Virtual Machines

¿Qué empresas utilizan Java?



¿Cómo iniciarse en Java?

A photograph showing two young women laughing and looking at a laptop screen. One woman is wearing glasses and a white shirt, while the other has long hair and is wearing a dark t-shirt. They are in what appears to be a classroom or library setting.

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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Involucrar a los estudiantes

Oracle Academy ofrece a las instituciones educativas y al profesorado los recursos de enseñanza de informática y tecnología que necesitan para atraer, inspirar y preparar a los estudiantes con habilidades relevantes para la industria para convertirse en innovadores tecnológicos y líderes del futuro.

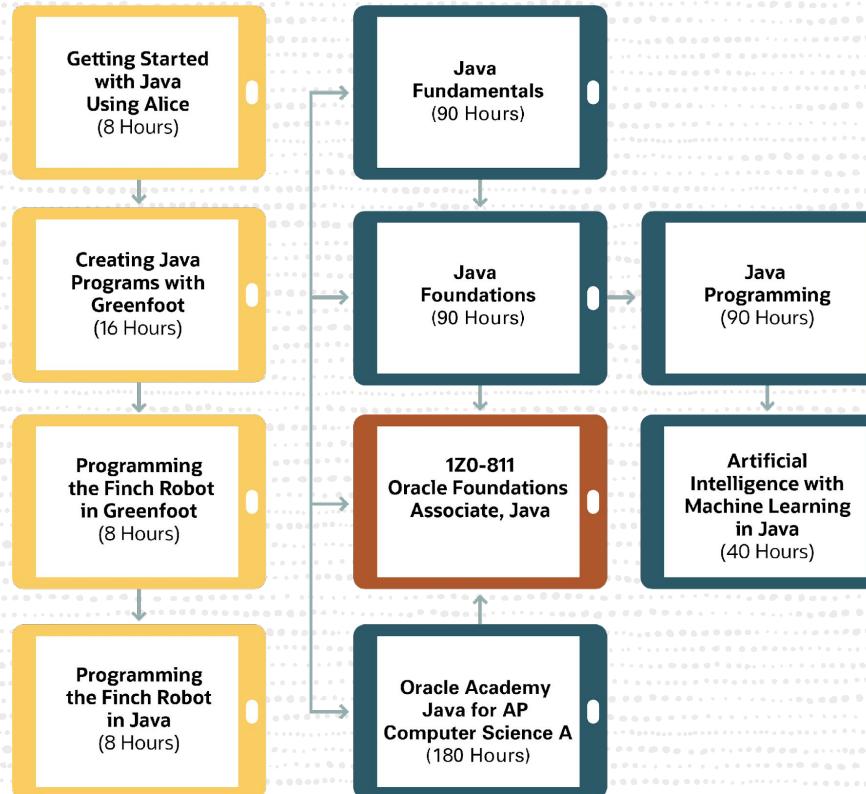
Programa gratuito para instituciones educativas, educadores y sus alumnos.

Ayuda a los estudiantes a prepararse para una carrera profesional.

Programa educativo filantrópico de Oracle

Recursos gratuitos de enseñanza y aprendizaje

Ruta de Java



- Workshop
- Full Curriculum
- Certification Exam
- Oracle Academy Pathway

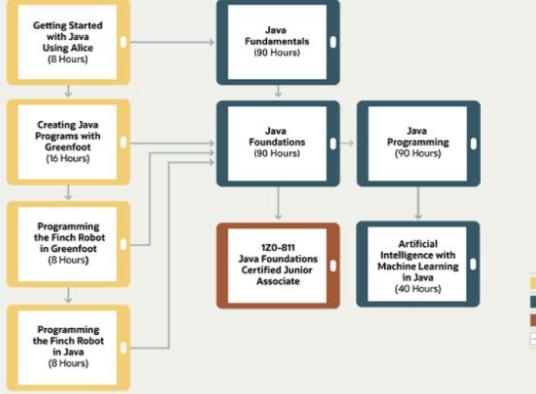
Talleres en caja

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

Java Curriculum

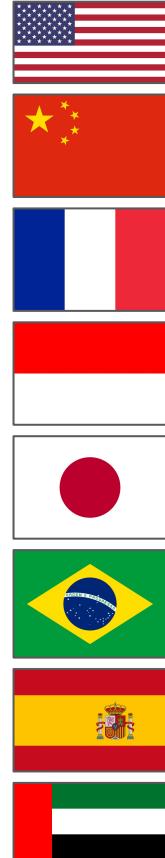
To help students advance object-oriented programming skills in Java, Oracle Academy offers Java Fundamentals, Java Foundations and Java Programming curriculum, designed for secondary and post-secondary learners. Artificial Intelligence with Machine Learning in Java is suited for more advanced students 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[Creating Java Programs with Greenfoot (16 Hours)]; B --> C[Programming the Finch Robot in Greenfoot (8 Hours)]; C --> D[Programming the Finch Robot in Java (8 Hours)]; E[Java Fundamentals (90 Hours)] --> F[Java Foundations (90 Hours)]; F --> G[Java Programming (90 Hours)]; H[Java Foundations Certified Junior Associate]; I[1Z0-811 Java Foundations Certified Junior Associate]; J[Artificial Intelligence with Machine Learning in Java (40 Hours)];
```

A4 data sheet English 8.5 x 11 data sheet English A4 data sheet Italian



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

Java Explorer de Oracle University: formación gratuita

The screenshot shows a web browser window displaying the Oracle University Learning Subscription website. The URL in the address bar is learn.oracle.com/ols/learning-path/java-explorer/40805/79726. The page title is "Java Explorer". The main content area features a dark background with a geometric pattern. It includes a "NEW!" announcement about learning Java basics and playing with Java using NetBeans IDE, along with a link to earn a badge. Below this, there are sections for "This learning path provides an introduction to Java for:" (listing Developers, Designers, Administrators, and Architects) and "This learning path covers:" (listing An Overview of Java, Text and Numbers in Java, Arrays, Conditions, and Loops, Classes and Objects, Exception Handling, Inheritance and Interfaces, and Java on OCI). The top navigation bar has links for Back, Courses, Live Sessions, and Programs.

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

Formación y certificaciones en Java

The screenshot shows a web page from Oracle University. At the top, there's a navigation bar with links for Oracle University, Training, Certification, Solutions, Buy, and a user profile icon. The main title is "Oracle Java SE Certification Paths". Below it, the specific certification path is titled "Oracle Certified Professional: Java SE 17 Developer". To the left of the title is a circular badge with the text "ORACLE Certified Professional". A black navigation bar at the bottom of this section contains links for Overview, Path Steps, and Resources. On the left side of the main content area, there's a sidebar titled "Certification Paths" with a "Categories" section containing links for Software, Systems, Industry Applications, Applications, Middleware, and Operations.

Oracle Certified Professional: Java SE 17 Developer Certification Overview

An Oracle Certified Professional: Java SE 17 Developer has demonstrated proficiency in Java (Standard Edition) software development, recognized by a wide range of world-wide industries. They have also exhibited thorough and broad knowledge of the Java programming language, coding practices, and utilization of new features incorporated into Java SE 17. By passing the required exam certified individual proves tremendous fluency in Java SE and the acquisition of the valuable professional skills required to be a Java software developer.

College of Business

- Accounting
- Sales
- Marketing
- Retailing/eCommerce
- Supply Chain Management
- Accounting Information Systems
- Computer Information Systems
- Management Information Systems

College of Engineering

- Civil Engineering
- Construction Management
- Project Management
- Architecture

College of Sciences

- Computer Science
- Mathematics
- Business Intelligence/Analytics
- Data Science
- Statistics

Oracle Academy Cloud Program

Oracle Academy NetSuite

Oracle APEX

Oracle Academy Education Bytes

Database Curriculum

- Database Foundations
- Applied Database Systems
- Database Design and Programming with SQL
- Programming with PL/SQL
- Oracle APEX Development Foundations

Cloud Curriculum

- OCI Foundations I and II

On-Premises Software

Project Management Curriculum

- Primavera P6 Professional Project Management Fundamentals

On-Premises Software

Oracle Academy Cloud Program

Oracle Academy Education Bytes

Database Curriculum

- Database Foundations
- Applied Database Systems
- Database Design and Programming with SQL
- Programming with PL/SQL
- Oracle APEX Development Foundations

Java Curriculum

- Java for AP Computer Science A
- Java Fundamentals
- Java Foundations
- Java Programming
- Artificial Intelligence with Machine Learning in Java

Cloud Curriculum

- OCI Foundations I and II

Oracle Academy NetSuite

On-Premises Software

Aprenda Java creando aplicaciones prácticas



- Aprendizaje basado en proyectos: aprenda Java creando aplicaciones prácticas.
- Mapa de conocimientos con temas Java de un solo concepto y las conexiones entre ellos.
- Su propio plan de estudio personal.
- Tutoriales basados en texto y retos interactivos.
- Integración con los IDEs profesionales de JetBrains.
- Una comunidad de más de 270.000 estudiantes.
- Despues de completar los proyectos, puedes publicarlos en GitHub para construir tu portafolio.

3 meses de prueba gratuita en JetBrains Academy jb.gg/academy/java_in_education

JUGs around the World - Driving Adoption



ORACLE®

Siguientes pasos

Educadores/Lideres de comunidades

1. Registrarse como miembro institucional de Oracle Academy para acceder a recursos de Java, incluidos talleres y plan de estudios completo para utilizar en el aula para enseñar a los estudiantes.
2. Trabajas en una institución educacional? Verifica si tu institución es miembro de Oracle Academy.
3. Líderes de Grupo de Usuarios: Obtenga más información visitando el sitio web de Oracle Academy o poniéndose en contacto con el equipo de Oracle Academy; inscríbase como Individual para impartir un Workshop in a Box.

Estudiantes

1. Realice el curso gratuito Java Explorer de Oracle University.
2. Póngase en contacto con su grupo local de usuarios de Java (JUG).
3. Asista a la reunión y preséntese.
4. Pida sugerencias y recomendaciones para el JUG en los canales de comunicación.
5. Ofrezca sus comentarios y sugerencias sobre su experiencia con (el aprendizaje de) Java.

Recursos

Acerque Java a la nueva generación de desarrolladores:

<https://jcp.org/java-in-education> (únete a la lista de groups.io aquí)

- Cómo se utiliza Java en la industria (escuche a los miembros del JCP)
- Cómo organizar un debate con los miembros de su comunidad sobre la participación en la iniciativa

<https://github.com/jcp-org/Java-in-Education/wiki/Java-in-Education---Wiki-Page>