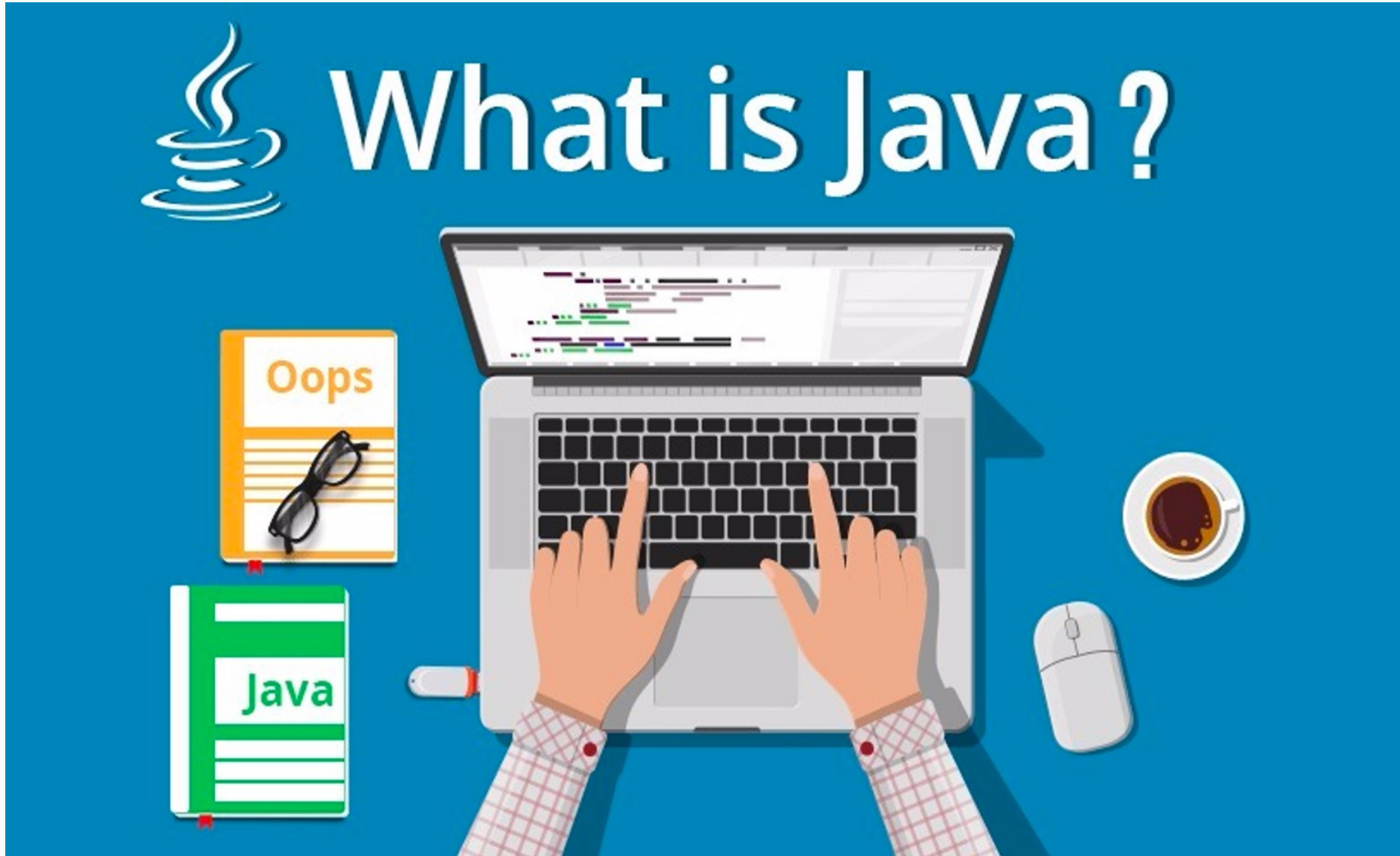


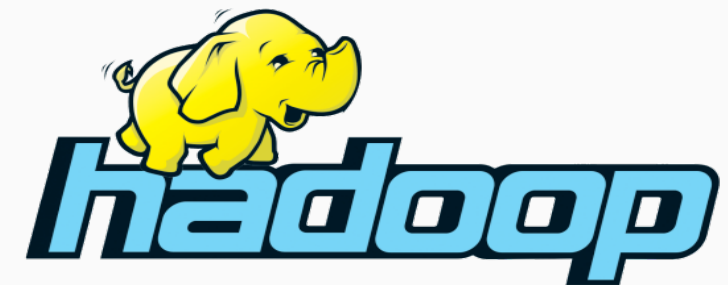


Introduction to Java

What is Java?



Where is Java mostly used at?



History Of Java

- Released in 1995 by Sun Microsystems
- Initiated by James Gosling, Mike Sheridan and Patrick Naughton in 1991
- Originally named Oak, then Green, and released as Java
- Sun Microsystem was purchased by Oracle Corporation in 2010



Java Version History

Version	Release date	End of Free Public Updates ^{[1][5][6][7]}	Extended Support Until
JDK Beta	1995	?	?
JDK 1.0	January 1996	?	?
JDK 1.1	February 1997	?	?
J2SE 1.2	December 1998	?	?
J2SE 1.3	May 2000	?	?
J2SE 1.4	February 2002	October 2008	February 2013
J2SE 5.0	September 2004	November 2009	April 2015
Java SE 6	December 2006	April 2013	December 2018 December 2026 for Azul ^[8]
Java SE 7	July 2011	April 2015	July 2022
Java SE 8 (LTS)	March 2014	January 2019 for Oracle (commercial) December 2030 for Oracle (non-commercial) December 2030 for Azul May 2026 for IBM Semeru ^[9] At least May 2026 for Eclipse Adoptium At least May 2026 for Amazon Corretto	December 2030 ^[10]
Java SE 9	September 2017	March 2018 for OpenJDK	N/A
Java SE 10	March 2018	September 2018 for OpenJDK	N/A
Java SE 11 (LTS)	September 2018	September 2026 for Azul October 2024 for IBM Semeru ^[9] At least October 2024 for Eclipse Adoptium At least September 2027 for Amazon Corretto At least October 2024 for Microsoft ^{[11][12]}	September 2026 September 2026 for Azul ^[8]
Java SE 12	March 2019	September 2019 for OpenJDK	N/A
Java SE 13	September 2019	March 2020 for OpenJDK	N/A
Java SE 14	March 2020	September 2020 for OpenJDK	N/A
Java SE 15	September 2020	March 2021 for OpenJDK March 2023 for Azul ^[8]	N/A
Java SE 16	March 2021	September 2021 for OpenJDK	N/A
Java SE 17 (LTS)	September 2021	September 2029 for Azul At least September 2027 for Microsoft At least TBA for Eclipse Adoptium	September 2029 or later September 2029 for Azul

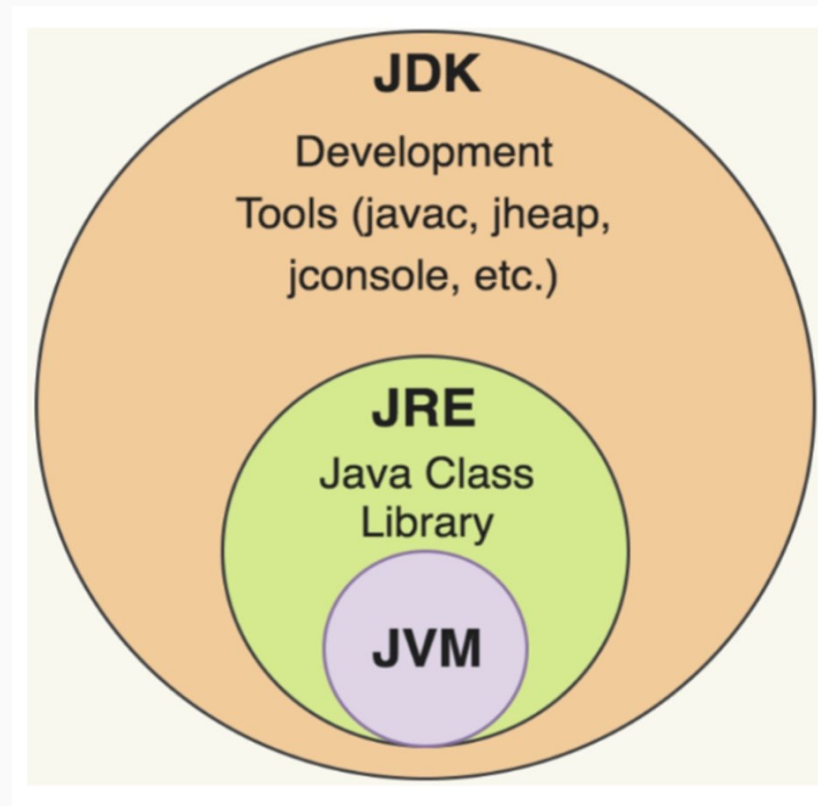
Components in Java

JVM: Java Virtual Machine

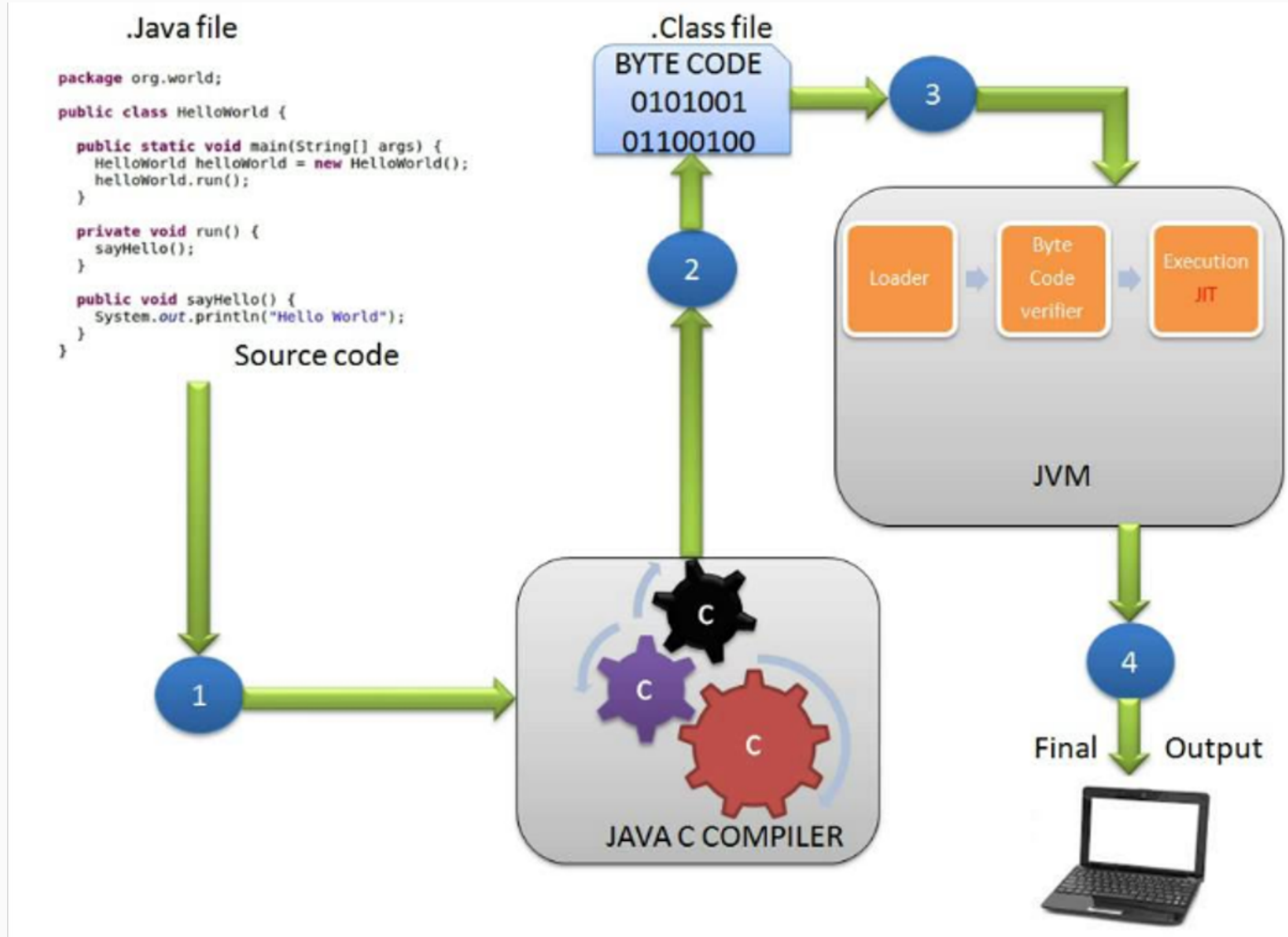
JRE: Java Runtime Environment

JDK: Java Development Kit

Javac: Java Compiler



How Java Works?



IDEs for Java

- Integrated development environment (**IDE**) is a software application that provides comprehensive facilities to computer programmers for software development.



IntelliJ IDEA



eclipse



NetBeans

IDE



Visual
Studio



Visual Studio Code

Why IntelliJ

