



# Introduction to Java



# What is Java?



# Where Java is mostly used?





# History of Java

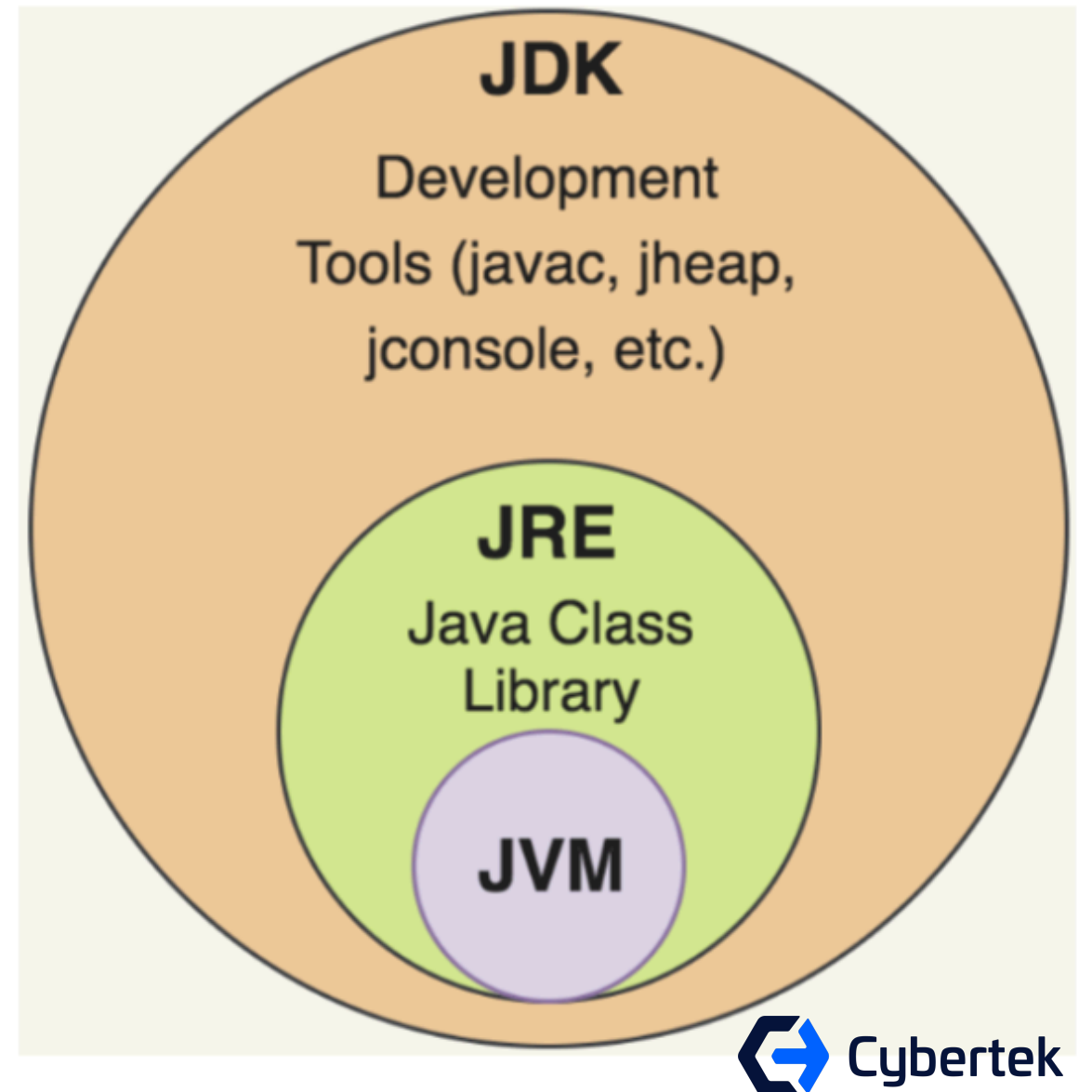
- Released in 1995 by Sun Microsystems
- Sun Microsystems was purchased by Oracle Corporation in 2010

# Java Version History

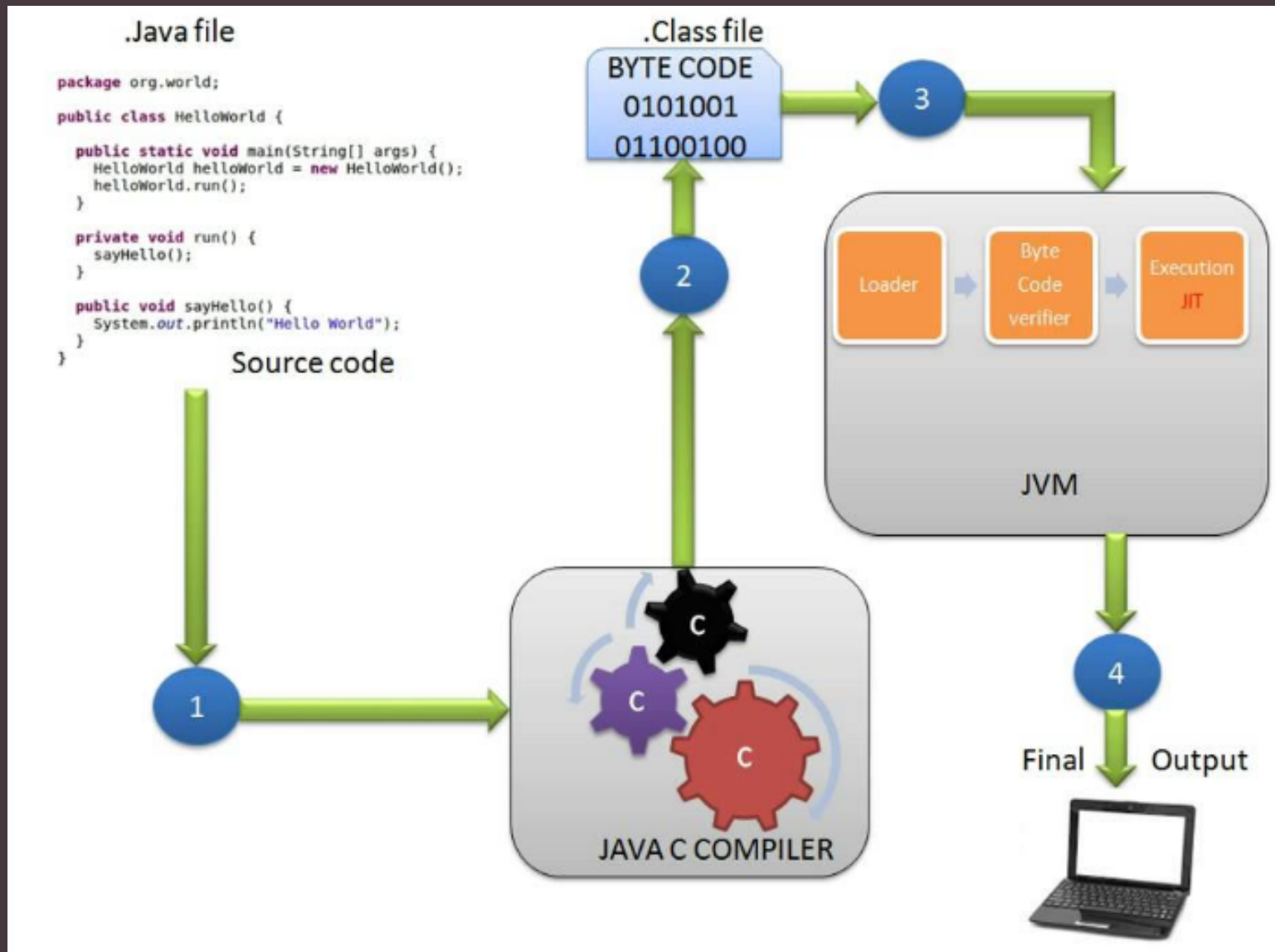
Version	Release date	End of Public Updates <sup>[5][6]</sup>	Extended Support Until
JDK Beta	1995	?	?
JDK 1.0	January 1996	?	?
JDK 1.1	February 1997	?	?
J2SE 1.2	December 1998	?	?
J2SE 1.3	May 2000	?	?
J2SE 1.4	February 2002	October 2008	February 2013
J2SE 5.0	September 2004	November 2009	April 2015
Java SE 6	December 2006	April 2013	December 2018
Java SE 7	July 2011	April 2015	July 2022
Java SE 8 (LTS)	March 2014	January 2019 (commercial) December 2020 (non-commercial) September 2022 for OpenJDK	March 2025
Java SE 9	September 2017	March 2018	N/A
<b>Java SE 10 (18.3)</b>	March 2018	September 2018	N/A
Java SE 11 (18.9 LTS)	September 2018	N/A for Oracle September 2022 for OpenJDK	Vendor specific
Java SE 12 (19.3)	March 2019	September 2019	N/A
<b>Legend:</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #FFC0CB; margin-right: 5px;"></span> Old version <span style="display: inline-block; width: 15px; height: 15px; background-color: #FFFFE0; margin-right: 5px; margin-left: 10px;"></span> Older version, still supported <span style="display: inline-block; width: 15px; height: 15px; background-color: #C0F0C0; margin-right: 5px; margin-left: 10px;"></span> Latest version <span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; margin-left: 10px;"></span> Future release			

# COMPONENTS IN JAVA

- JVM: Java Virtual Machine
- JRE: Java Runtime Environment
- JDK: Java Development Kit



# HOW JAVA WORKS?





# Different IDEs for Java Coding

- An integrated development environment (**IDE**) is a software application that provides comprehensive facilities to computer programmers for software development. An **IDE** normally consists of a source code editor, build automation tools and a debugger.



# Why we are using IntelliJ?

