Java History Versionwise and core concept

[Full History of Java (Evolution, Founder, All Versions Till 2023) (tutorialsfreak.com)](https://www.tutorialsfreak.com/java-tutorial/java-history)

[Record Patterns (oracle.com)](https://docs.oracle.com/en/java/javase/21/language/record-patterns.html#GUID-7623D3AD-4141-4914-A384-60C65BD0C010)

**All Versions of Java (Version History)**

Over the years, several versions of Java have been released. Let’s have a look at the history and evolution of Java through the following table.

|  |  |  |
| --- | --- | --- |
| **Version** | **Release Date** | **Notable Features and Changes** |
| JDK 1.0 | January 23, 1996 | Initial release of Java. |
| JDK 1.1 | February 19, 1997 | Added inner classes, JDBC, and AWT improvements. |
| J2SE 1.2 (Java 2) | December 8, 1998 | Introduced Swing, Collections framework. |
| J2SE 1.3 | May 8, 2000 | Introduced HotSpot JVM, JNDI, and naming conventions. |
| J2SE 1.4 | February 6, 2002 | Added assert keyword, regular expressions, and Java Web Start. |
| J2SE 5.0 (Java 5) | September 30, 2004 | Introduced generics, metadata annotations, and the enhanced for loop. |
| Java SE 6 (Java 6) | December 11, 2006 | Added scripting support, monitoring enhancements, and the Java Compiler API. |
| Java SE 7 (Java 7) | July 28, 2011 | Introduced try-with-resources, diamond operator, and strings in switch statements. |
| Java SE 8 (Java 8) | March 18, 2014 | Landmark release with lambdas, Stream API, java.time package, and Nashorn JavaScript engine. |
| Java SE 9 (Java 9) | September 21, 2017 | Introduced the module system (Project Jigsaw). |
| Java SE 10 (Java 10) | March 20, 2018 | Focused on developer productivity with local-variable type inference (var). |
| Java SE 11 (Java 11) | September 25, 2018 | LTS release with deprecated features removed and stability improvements. |
| Java SE 12 (Java 12) | March 19, 2019 | Introduced switch expressions (preview feature) and GC improvements. |
| Java SE 13 (Java 13) | September 17, 2019 | Added text blocks and enhancements to switch expressions. |
| Java SE 14 (Java 14) | March 17, 2020 | Introduced pattern matching for instanceof, records, and text blocks. |
| Java SE 15 (Java 15) | September 15, 2020 | Featured sealed classes, pattern matching for records, and more. |
| Java SE 16 (Java 16) | March 16, 2021 | Introduced new language features and Unix domain socket channel. |
| Java SE 17 (Java 17) | September 14, 2021 | The latest LTS release, focusing on long-term support and enhancements. |
| Java SE 18 (Java 18) | March 22, 2022 | UTF by default, Javadoc code snippets, Switch pattern matching, Vector API, Foreign function & memory API |
| Java SE 19 (Java 19) | September 20, 2022 | Foreign function & memory API, Switch pattern matching, Vector API, Structured concurrency |
| Java SE 20 (Java 20) | March 21, 2023 | Scoped values |
| Java SE 21 (Java 21) | September 19, 2023 | Record patterns, pattern matching for switch, virtual threads, String templates, unnamed classes and main methods |
| Java SE 22 (Java 22) | March 2024 | not yet been finalized |

JAVA SE21(JAVA 21)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*