Java -18

* UTF-8 by default
* Simple web server
* Code snippets in Java API Doc
* Reimplement core reflection with Method handles
* Vector API
* Internet-Address resolution SPI
* Foreign Function and Memory API
* Pattern Matching for switch

Java 17

* Restore always Strict Floating-point semantics
* Enhanced Pseudo -random number generators
* New Mac-OS rendering pipeline
* Mac-os / AArch64 Port
* Deprecate the Applet API for Removal
* Strongly Encapsulate JDK Internals
* Pattern Matching for switch

Java -16

* Vector API
* Enable c++ 14 Language features
* Migrate from Mercurial to Git
* Migrate to Github
* Concurrent Thread-Stack Processing
* Unix-Domain Socket Channels
* Alpine Linux Port
* Elastic Metaspace
* Windows / AArch64 Port

Java 15 features

* Sealed Classes and Interfaces
* EdDSA Algorithms
* Hidden Classes
* Pattern Matching of instanceOf
* Removed Nashorn JavaScript Engine
* Reimplement the Legacy DatagramSocket API
* Records ( Second Preview)
* Text Blocks become a standard feature

Java 14 features

* Pattern Matching instanceOf
* Text Blocks
* Helpful Null pointer Exceptions
* Records
* Switch Expressions
* Packaging Tool
* NUMA – Aware Memory Allocation for G1
* JFR Event Streaming
* Non-Volatile Mapped Byte Buffers
* Remove the Pack200 Tools and API

Java 13

* Text Blocks (Preview)
* Switch Expressions Enhancements ( Preview)
* Reimplement the Legacy Socket API
* Dynamic CDS Archive
* ZGC: Uncommit unused Memory
* FileSystems.newFileSystem() method
* DOM and SAX Factories with Namespace Support

Java 12

* Collectors.teeing() in Stream API
* String API Changes
* Files.mismatch(Path,Path)
* Compact Number Formatting
* Support for Unicode 11
* Switch Expression (Preview)

Java 11 features:

* HTTP Client API
* Launch Single -File Program Without Compilation
* String API Changes
* Collection.toArray(IntFunction)
* Files.readString() and Files.writeString()
* Optional.isEmpty()

Java -10

* Local Variable Type Inference
* Time Based Release versioning
* Garbage -Collector Interface
* Parallel Full GC for G1
* Heap Allocation on Alternative Memory Devices
* Consolidate the JDK Forest into Single repository

Java -9

* Java platform module system
* Interface Private methods
* HTTP 2 Client
* JShell
* Platform and JVM Logging
* Process API Updates
* Collection API Updates
* Improvements in Stream API
* Multi-release JAR Files
* @Deprecated Tag Changes
* Stack Walking

Java 8

* Lambda Expression
* Stream API
* Functional Interface
* Default and static methods
* Optional class
* Nashorn – JavaScript runtime engine
* Annotation on Java Types
* Unsigned Integer Arithmetic
* Repeating annotations
* New Date and Time API