Tout ce qui est intéressant en Java 21

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- A rendu possible les proxies et simulacre d'objets
- A proposé le terme « simulacre partiel » ("partial mocking")

> https://learning.oreilly.com/live-events/java-9-to-21-how-to-code-like-a-pro/0636920094349/

> Prochain cours: 28 mars 8h – 12h

> **On embauche**
>   + https://tsimagine.com/careers-2/

- Modules
- Strong encapsulation
- Immutable collections (`Map.of, List.of, …`)
- Local-variable type inference (`var`)
- HTTP Client
- Single file program (`java HelloWorld.java`)
- Switch expressions (`return switch(a) { case A, B, C -> true }`)
- Text blocks (`"""A lot of text"""`)
- Pattern matching for instance of (`o instanceof Integer i`)
- Records (`record A(int i, int j) {}`)
- Sealed classes (`sealed class A permits B, C, D {}`)

Java 21

JSR 396 (September 2023)

Java 21 LTS (synthèse)

JEP 400: UTF-8 by Default

JEP 408: Simple Web Server

JEP 413: Code Snippets in Java API Documentation

JEP 421: Deprecate Finalization for Removal

JEP 430: String Templates (Preview)

JEP 431: Sequenced Collections

JEP 440: Record Patterns

JEP 441: Pattern Matching for switch

JEP 443: Unnamed Patterns and Variables (Preview)

JEP 444: Virtual Threads

JEP 445: Unnamed Classes and Instance Main Methods (Preview)

JEP 446: Scoped Values (Preview)

JEP 453: Structured Concurrency (Preview)

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~~JEP 430: String Templates (Preview)~~

JEP 454: Unnamed Patterns & Variables (Java 22)

JEP 477: Simple Source Files and Instance Main Methods (Fourth Preview)

JEP 487: Scoped Values (Fourth Preview)

JEP 499: Structured Concurrency (Fourth Preview)

Conclusion

Qui a appris quelque chose aujourd'hui?

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> ## Inside Java
>   + https://inside.java/

> ## Dev Java
>   + https://dev.java/

> ## Source code
>   + https://github.com/henri-tremblay/java91011beyond

> ## JDK
>   + https://openjdk.java.net/projects/jdk/
>   + https://docs.oracle.com/en/java/javase/

> ## Sdkman
>   + https://sdkman.io/

http://objenesis.org

http://montreal-jug.org

Questions?

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