ConFoo.CA
DEVELOPER CONFERENCE

Java 21: La version que vous devriez utiliser (LTS)

TM Henri Tremblay
Directeur de TS Imagine Canada
@henri_tremblay

Henri Tremblay

- More or less made possible class mocking and proxying
- Coined the term "partial mocking"

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

> Prochain cours: 19 mars 8h – 12h

- 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)

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)

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

DEMO

Conclusion

Qui a appris quelque chose aujourd'hui?

?

> 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?

?

Henri Tremblay
Blog: https://blog.tremblay.pro
GitHub: https://github.com/henri-tremblay
LinkedIn: https://www.linkedin.com/in/henritremblay/
X: https://twitter.com/henri_tremblay
Mastodon: https://mastodon.world/@henri

http://easymock.org