The future of languages includes logic programming

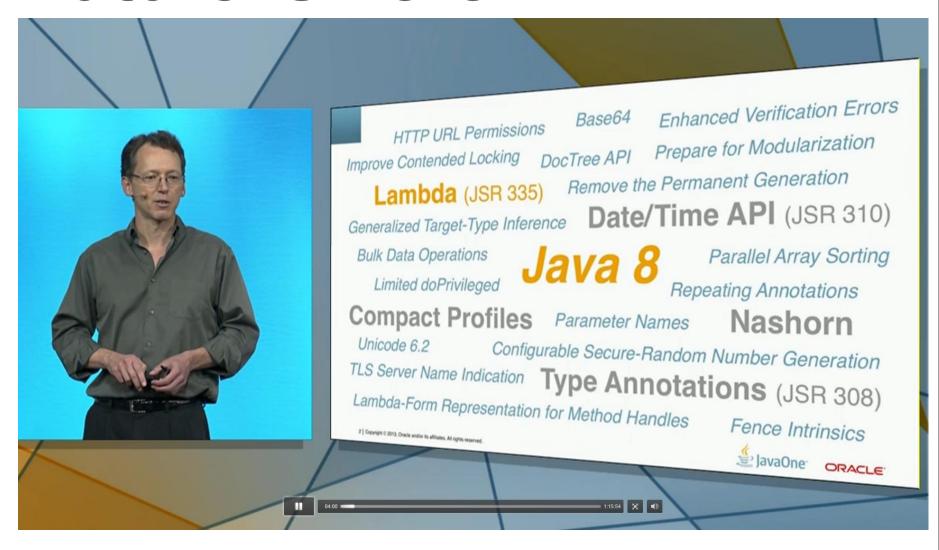
Conclusion for this course:

- That is all!
- My guess on where languages will be going: languages that combine:
 - Multiparadigm (functional, logical, imperative, scripting)
 - High-level data structures
 - With: speed, simplicity (dynamic weakly typed like Prolog, python, SML; input and output parameters)
 - JavaScript frameworks, node.js, Google Go, Swift, and what else?
 - More and more languages every day!!! What should we learn? All!
 - Youtube is implemented with Python,
 - IBM Watson uses Prolog,
 - Microsoft F# is a functional programming language, etc.

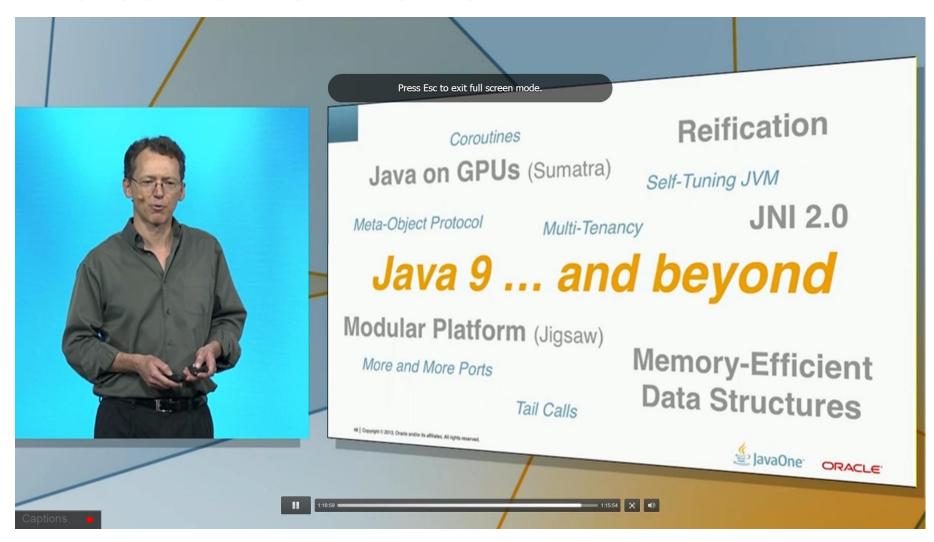
The future of languages

- Scripting-style:
 - Speed: Trade almost everything for developer productivity
 - Economy of Expression
 - Lack of Declarations
 - Simple rules
 - Flexible dynamic typing
 - Access to the OS
 - Sophisticated string processing
 - High-level data structures: Maps, Lists, Tuples, Sets.
 - Batch and Interactive
 - Open and Portable
 - Single Canonical Implementation
 - Interpreted: Fast to start
 - Easily extended
 - Easily embedded

Future is here



Future is here



The future of languages

- •I'm hoping that this course prepared you for the change the future will bring in programming languages and logic
- •Thank you!