

Lava

LAVA

What's hotter than Java?

<http://lavape.sourceforge.net/>

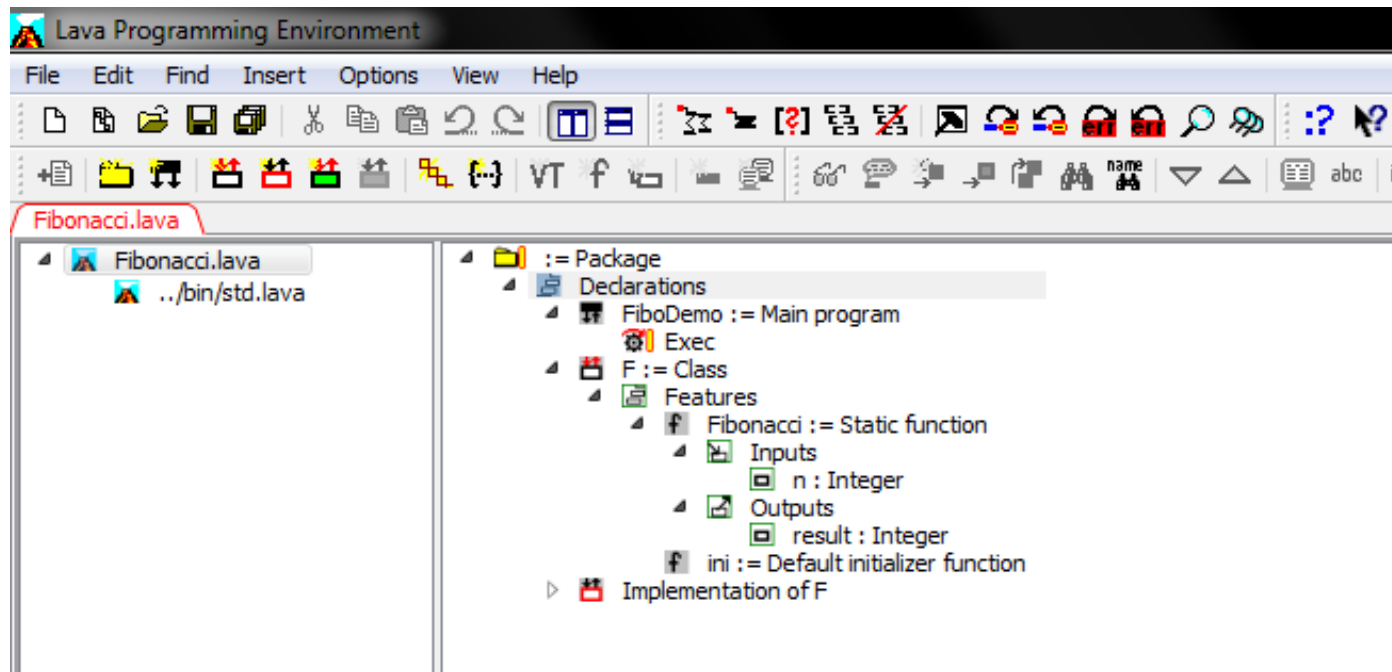
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History & Vision

- Software development 15 years ago
 - Text editors
 - Syntax errors
- Vision of Lava
 - Rapid Application Development
 - Structure editors instead of text editors
 - „Lego-Style“ application programming

Lava (LavaPE) environment



- LIVE DEMO...

Features

- Easy (for beginners)
 - Point&Click and Drag&Drop
- Visual programming
 - Less typing
- Syntax error prevention
 - Limited changes on code

Differences to other languages

- Structure editors instead of text editors
- Lego-Style Application Programming
- Code not freely editable
 - Text entry only for comments, constants and new identifiers.

Differences to other languages

- Visual Programming Languages
 - Educational (Scratch)
 - UML code generation

Differences to other languages

- Same programs in other languages possible
 - Java, C, C++, ...
- Similar programming in other visual languages

Current status

- Experimental language
- Version 0.9.4 (2013)
- Developed by two persons
 - Dr. Klaus D. Günther and Irmtraut Günther. (Fraunhofer-Institut)

Current status

- Similar features in other languages/IDEs
 - Show syntax errors
 - Autocomplete
 - Quick Fix
 - Refactoring

Conclusion

- Tried to improve software development
- Clicking instead of typing
- (Faster and easier)
- Too unknown to change a lot
- Similar ideas elsewhere

Thank you for listening!