Progress report in Pen programming language

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@raviqqe

Agenda

- Progress report
- Next plans

Progress report

- Trampoline function calls in Rust FFI (#795)
  - No more stack overflow in Rust FFi
- Validate unused error values (#799)
  - Just like Rust's unused `Result` value validation
- Fix positions in error messages (#805)
  - Is it better to show "source" positions of types too?
- Global thunks (#773)
  - Optimization to cache calculation of "global variables"

Next plans

- Built-in map type (#634)
  - Language design work is mostly done.
- Upgrade to LLVM 14
- Call trace for debugging (#618)
- Serialization/deserialization
  - JSON library (#396)

Summary

- Progress
  - Stabilizing Rust FFI...
- Future plans
  - Built-in map type
  - Call trace for debugging