

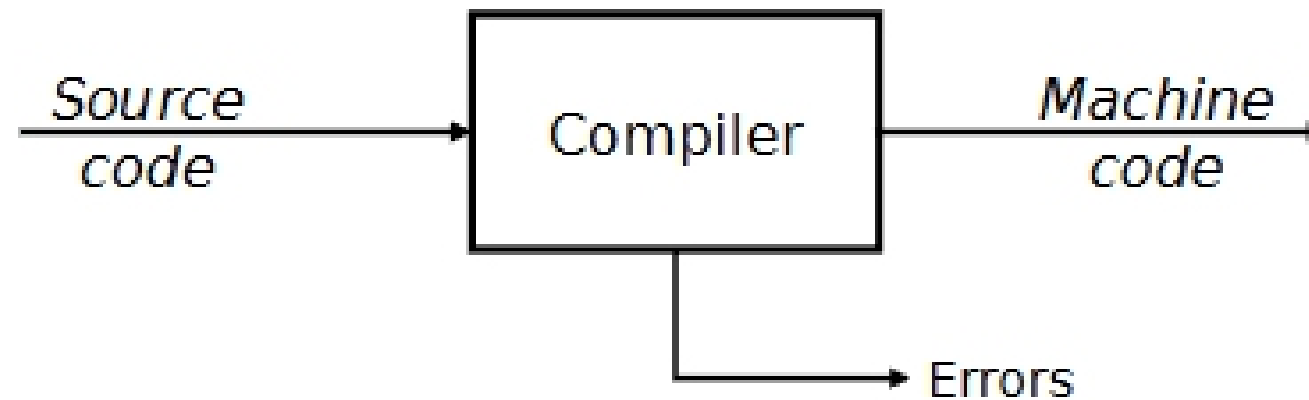


## Wrapping Up

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# High-level View

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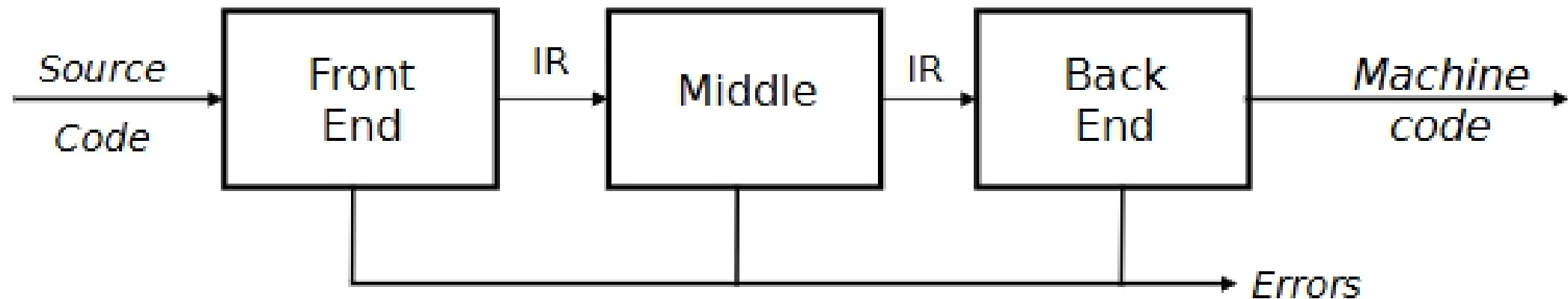


## Definitions

- Compiler consumes code & produces code
- Interpreter consumes executable & produces results

# High-level View

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- Front end consumes source code & produces IR
  - Determines code shape for rest of compiler
- Middle reads & writes IR
  - Analyzes & transforms IR to “improve” it
  - Myriad techniques at several distinct scopes
- Back end consumes optimizes IR & produces target code
  - Maps code to target ISA & handles resource issues