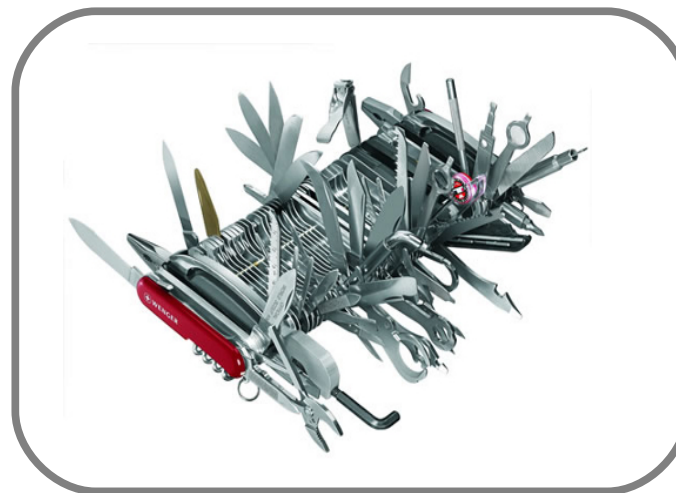# Domain-specific languages

- **Goal**: increase productivity and quality in software construction.

- **Challenges**:

  - Distance between code and problem domain

  - Tangling and scattering

  - Repetitive boilerplate

  - No reuse of design knowledge

- **Domain-specific languages:**

  - Notation close to problem domain

  - Economy of expression

  - Domain-specific optimization and checking

  - Reuse through program generators

General Purpose Language

Domain Specific Languages

www.rascal-mpl.org