## Timeline

In the beginning, there was machine code…

1945 Plankalkül (Designed)

1949 Short Code

1954 First mass-produced computer with floating-point arithmetic support in hardware (IBM 704)

1957 Fortran I

1957 Emergence and popularisation of compiled languages (Fortran I)

1958 First universal and machine-independent language designed (ALGOL 58)

1959 LISP

1959 Emergence of functional programming (LISP)

1959 First implementation of garbage collection (LISP)

1960 COBOL

1960 First implementation of hierarchical data structures (records) (COBOL)

1960 ALGOL 60

1964 First major implementation of time-sharing via terminals in a programming language (BASIC)

1964 PL/I

1964 Support for concurrently executing subprograms within a program (PL/I)

1964 Support for run-time exception handling (PL/I)

1972 Plankalkül (Published)

1972 C

1975 Scheme

1980 First full implementation of an object oriented language (Smalltalk)

1980 Smalltalk

1983 Ada

1985 C++

1990 Concept of depreciation introduced (removal of obsolete/inappropriate features in a language) (Fortran 90)

1994 PHP

1995 Java

2001 C#

Focus:

40s to mid-50s Making code more writable (compared to machine code)

Mid-50s to ??? Making code efficient (translated/compiled code not as efficient as hand-written machine code)

Making code more readable