Introduction to the C Language

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Outline

History

Creation of C

- Created by Dennis Ritchie in close collaboration with Ken Thompson at the Bell Labs in the early 1970s
- The first operating system written in C is Unix which ran on the 16bit PDP-11 computer

Evolution of C

- In 1978, Dennis Ritchie and Brian Kernighan released the book titled "The C Programming Language"
- C was standardized by ANSI in 1989 and by ISO later in 1990, this is known as both C89 and C90
- The latest version of the standard is C23

Features of C

Basic Features

- High level (compared to assembly or machine code)
- Also provides low level access
  - Allows writing inline assembly code
  - Provides direct access to memory management
- Fewer keywords compared to other contemporary languages

Basic Features (cont.)

- Compiled language, very fast
- Statically typed
- Not object oriented
- No garbage collection

Thank you.