

Lecture 1: C programming language (English)

C is a general-purpose computer programming language. It was created by Dennis Ritchie and remains very widely used and influential. A successor to the programming language B, C was originally developed at Bell Labs by Ritchie between 1972 and 1973 to construct utilities running on Unix. It was applied to re-implementing the kernel of the Unix operating system. During the 1980s, C gradually gained popularity.

It has become one of the most widely used programming languages, with C [compilers](#) available for practically all modern [computer architectures](#) and operating systems. C has been standardized since 1989 by the [American National Standards Institute](#) (ANSI) and the [International Organization for Standardization](#) (ISO). C is a [imperative procedural](#) language, supporting [structured programming](#), [lexical variable scope](#), and [recursion](#), with a [static type system](#). It was designed to be [compiled](#) to provide [low-level](#) access to [memory](#) and language constructs that map efficiently to [machine instructions](#), all with minimal [runtime support](#). Despite its low-level capabilities, the language was designed to encourage cross-platform programming.

Since 2000, C has consistently ranked among the top two languages in the [TIOBE index](#), a measure of the popularity of programming languages.

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