

C is a structured programming language developed by Dennis Ritchie in 1973 at Bell Laboratories.

### **Dennis Ritchie**

born September 9, 1941

dead October 2011,

bachelor's degree (1963) in physics

doctorate (1968) in mathematics from Harvard University.

1967 - joined Bell Labs

C language was developed to write the UNIX operating system, hence it is strongly associated with UNIX,

### **UNIX**

UNIX, multiuser computer operating system. UNIX is widely used for Internet servers, workstations, and mainframe computers.

In 1969 a team led by computer scientists Ken Thompson and Dennis Ritchie created the first version of UNIX on a PDP-7 minicomputer

Linux is a Unix-Like Operating System(note: unix like not unix)

macOS adopted the Unix kernel

C language has evolved from three different structured language ALGOL, BCPL and B Language

### **Structured programming**

Structured programming is a subset of procedural programming.

It is also known as modular programming

The structured programming language allows a programmer to code a program by dividing the whole program into smaller units or modules.

In 1988, the language was formalised by American National Standard Institute(ANSI). In 1990, a version of C language was approved by the International Standard Organisation(ISO) and that version of C is also referred to as C89.

Programs written in C language takes very less time to execute and almost executes at the speed of assembly language instructions.

### **Latest Version of C**

The current latest version of C language is C11, which was introduced in 2011. It is supported by all the standard C language compilers.