

# C Programming Language

- C is a procedural programming language with a static system that has the functionality of structured programming, recursion, and lexical variable scoping.
- C was created with constructs that transfer well to common hardware instructions. It has a long history of use in programs previously written in assembly language.

## What is C Language?

- C is a general-purpose programming language created by Dennis Ritchie at the Bell Laboratories in 1972.
- It is a very popular language, despite being old. The main reason for its popularity is because it is a fundamental language in the field of computer science.
- C is strongly associated with UNIX, as it was developed to write the UNIX operating system.

## Why Should We Learn C?

- Many later languages have borrowed syntax/features directly or indirectly from the C language like the syntax of Java, PHP, JavaScript, and many other languages that are mainly based on the C language. C++ is nearly a superset of C language (Only a few programs may compile in C, but not in C++).
- So, if a person learns C programming first, it will help them to learn any modern programming language as well. Also, learning C helps to understand a lot of the underlying architecture of the operating system like pointers, working with memory locations, etc.

## History of C Language



- **History of C language** is interesting to know. Here we are going to discuss a brief history of the c language.
- **C programming language** was developed in 1972 by Dennis Ritchie at bell laboratories of AT&T (American Telephone & Telegraph), located in the U.S.A.
- **Dennis Ritchie** is known as the **founder of the c language**.
- It was developed to overcome the problems of previous languages such as B, BCPL, etc.