



C PROGRAMMING

INTRODUCTION

- It was mainly developed as a system **programming language** to write an operating system.
- The main features of the **C language** include low-level memory access, a simple set of keywords, and a clean style, these features make **C language** suitable for system programmings like an operating system or compiler development.

HISTORY

- **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.
- Initially, C language was developed to be used in **UNIX operating system**. It inherits many features of previous languages such as B and BCPL.

Dennis Ritchie
1941-2011



WHY TO LEARN C PROGRAMMING

- C programming language is a *MUST* for students and working professionals to become a great Software Engineer specially when they are working in Software Development Domain.

*** I will list down some of the key advantages of learning C Programming :-**

- Easy to learn
- Structured language
- It produces efficient programs
- It can handle low-level activities
- It can be compiled on a variety of computer platforms .

FEATURES OF C PROGRAMMING

- Procedural **Language**.
- Fast and Efficient.
- Modularity.
- Statically Type.
- General-Purpose **Language**.
- Rich set of built-in Operators.
- Libraries with rich Functions.
- Middle-Level **Language**.

FIRST C PROGRAM

- Before starting the abcd of C language, you need to learn how to write, compile and run the first c program.
- To write the first c program, open the C console and write the following code :-

```
#include <stdio.h>

int main()
{
    printf("Hello World");
    return 0;
}
```

TO BE CONTINUED.....