

History of C language

- ▶ C programming is a general-purpose, procedural, imperative computer programming language.
- ▶ It was developed in 1972 by Dennis M. Ritchie at the Bell Telephone Laboratories to develop the UNIX operating system.
- ▶ C is the most widely used computer language.

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. Following are 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

Facts about C

- ▶ C was invented to write an operating system called UNIX.
- ▶ C is a successor of B language which was introduced around the early 1970s.
- ▶ The language was formalized in 1988 by the American National Standard Institute (ANSI).
- ▶ The UNIX OS was totally written in C.
- ▶ Today C is the most widely used and popular System Programming Language.
- ▶ Most of the state-of-the-art software have been implemented using C.
- ▶ Today's most popular Linux OS and RDBMS MySQL have been written in C.

Structure of a C Program

Hello World Example

A C program basically consists of the following parts –

- ▶ Preprocessor Commands
- ▶ Functions
- ▶ Variables
- ▶ Statements & Expressions
- ▶ Comments

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    /* my first program in C */
```

```
    printf("Hello, World! \n");
```

```
    return 0;
```

```
}
```

Thank you