C LANGUAGE LECTURE-1

NOTES

ALL VIDEOS HAVE SEPARATE NOTES ,
WHICH ARE ON THE TELEGRAM
CHANNEL.

Telegram Channel Link in the Description

WE DISCUSS IN THIS VIDEO

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01
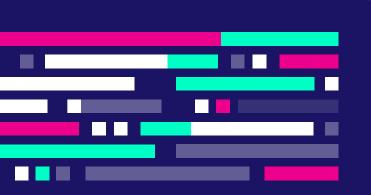
History of C Language

History of C

- Invented by **Dennis Ritchie** in **1970's**
- Invented when he was working with **Bell Organization** further named as **AT & T Labs.**
- Majority inspiration for writing **C** is taken from **B**; **C** comes after the **B**, so it is called as **C Language**.

02

Uses & Limitations of C

Where C is Used

- ➤ Operating Systems (OS) {Windows, Uniux}
- ➤ Assembelers
- ➤ Compilers {Python}
- ➤ Embedded Systems {Washing Machine, Calculators}
- ➤ DBMS {Oracle}
- ➤ Games {Tic-Tac-Toe, Snake & Ladder}
- ➤ Text Editors {Notepad++}

Limitations of C

- ❑ Procedural Language
- ❑ OPP's Concept Missing
- ❑ Limited Ways to re-use code
- ❑ Exception Handling {Try/Catch}
- ❑ Everything is done by C but not suitable for all.

03

First C Program

First C Program

```c
#include<stdio.h>
int main(){
        printf("Hello World");


return 0;
}
```

04

Structure of C Program

Basic Structure of C Program


```
#include<stdio.h>   Preprocessor Area
int main(){          Main Function
    printf("Hello World");   Function

    return 0;        Exit status of Process to Console
}
```

Preprocessor

Header File