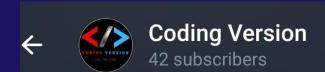# C LANGUAGE LECTURE-5

NOTES INFORMATION

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

TELEGRAM CHANNEL LINK IN THE DESCRIPTION

WE DISCUSS IN THIS VIDEO

Pre-processors

Macros

Header Files

01

02

03

01

PRE-PROCESSORS

PRE-PROCESSORS

o It is used in preprocessing.
o Preprocessing is the process before compilation process.
o It is not a part of the C compiler.
o All preprocessor commands starts with a hash symbol (#).

```c
#include <stdio.h>
#define PI 3.14

int main(){

        printf("Hello\n");
return 0;
}
```

02

MACROS

MACROS

❑ Macro is a segment of code which is replaced by the value of macro.

❑ They are defined by #define.

❑ There are two types of macros:

• Object-like macros

• Function-like macros

```c
#include <stdio.h>
#define PI 3.14
#define MIN(a,b) ((a)<(b)?(a):(b))


int main(){


        printf("Hello\n");
return 0;
}
```

03

HEADER FILES

HEADER FILES

➤ A header file is a source file that has extension .h.
➤ It contains the function prototypes and function declaration.
➤ There are two types of header files:-
• System defined header files
• User defined header files

```c
#include <stdio.h>
#include "file.h"
#include <file.h>

int main(){

        printf("Hello\n");
return 0;
}
```