

C Pre-processor Introduction & Working - C Tutorial In Hindi #58.mp4 - VLC media player

## QUICK RECAP

✓ Compiler converts textual form of a C program into an executable. *Behind the scenes.*

- There are four phases for a C program to become an executable:

① *removal of comments*  
② *Expansion of macros*  
③ *" " include files*

→ *Assembly level instructions are generated*

→ *.o  
.exe  
→ print are not resolved  
→ ALI are converted to machine code.*

→ *Links the function implementations.*

04:01 12:43

C Pre-processor Introduction & Working - C Tutorial In Hindi #58.mp4 - VLC media player

## WHAT IS A C PREPROCESSOR?

- ✓ C preprocessor comes under action before the actual compilation process *.csv .xlsx*
- ✓ C preprocessor is not a part of the C compiler
- ✓ It is a text substitution tool
- ✓ All preprocessor commands begin with a hash symbol (#).

*# include <stdio.h>*  
*# include <string.h>*  
*Quick Quiz :- 2 more standard libraries*  
*↓ ↓ ↓*

THE  
C  
PROGRAMMING  
LANGUAGE

06:30 12:43

C Pre-processor Introduction & Working - C Tutorial In Hindi #58.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

## PREPROCESSOR COMMANDS EXAMPLES

- #define ✓
- #include ✓
- #undef ✓
- #ifdef ✓
- #ifndef ✓
- #if → if any compile time condition is true. ✓
- #else ✓
- #elif ✓

*#define NULL 0*

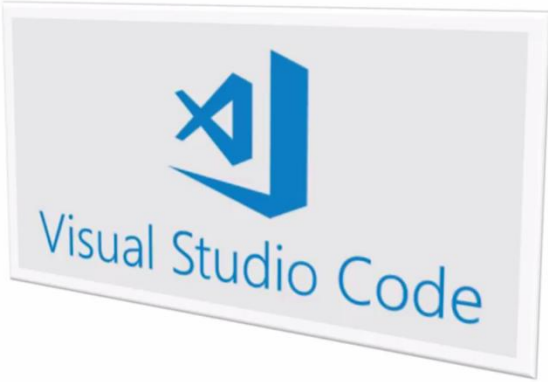
09:10 12:43

C Pre-processor Introduction & Working - C Tutorial In Hindi #58.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

## WE'LL GO TO VS CODE AND SEE SOME PRE-PROCESSOR EXAMPLES

```
#include <stdio.h> ✓  
#include <stdlib.h> ✓  
  
int* functionDangling(){  
    int a, b, sum;  
    a = 34;  
    b = 364;  
    sum = a + b;  
    return &sum;  
}  
  
int main(){  
    /* code..... */  
    return 0;  
}
```



09:59 12:43

C Pre-processor Introduction & Working - C Tutorial In Hindi #58.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help