

Master The C Programming Language

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About this course

A step by step guide to master the C Programming language with simple and easy to understand examples.

```
#include <stdio.h>
#define MAXVALUE 20
#ifdef MAXVALUE
int limit = MAXVALUE;
#else
int limit = 10;
#endif
int main() {
printf("limit is %d\n", limit);
return 0;
}
```

```
... content of stdio.h
int limit = 20;
int main() {
printf("limit is %d\n", limit);
return 0;
}
```

Preprocessing

compilation

... object file

Linking

... library files

... executable

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```
1 /* Conditional compilation */
2 #include <stdio.h>
3
4 #define MAXVALUE 20
5
6 #ifdef MAXVALUE
7 int limit = MAXVALUE;
8 #else
9 int limit = 10;
10 #endif
11
12 int main() {
13 printf("limit is %d\n", limit);
14
15 return 0;
16 }
17
```

```
(miniconda3) SAGARA-iMac:Preprocessor sagar$ gcc PreprocessorEx3.c
(miniconda3) SAGARA-iMac:Preprocessor sagar$ ./a.out
limit is 20
(miniconda3) SAGARA-iMac:Preprocessor sagar$
```