

C From Beginner To Expert Programming Tutorial - The Complete Tutorial to Learn C.mp4 - VLC media player

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C Language Constants

A constant in the C language is different **tuts+**

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C Language Constants

- Represent constant values, numbers, characters, or strings
- Created using the *#define* preprocessor directive
- Generally in ALL CAPS, one word or with underlines
- Expanded at compile time to its assigned value

it expands it out to its assigned value **tuts+**

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C Language Constants

```
#define VERSION 3
```

- Constant is named VERSION
- Has a value of 3
- Does not end with a semicolon

are not C language statements **tuts+**

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C Language Constants

```
#define AUTHOR "Dan Gookin"
```

- The constant is named AUTHOR.
- The value is the string "Dan Gookin."
- No semicolon is used.

This is an example of one constant **tuts+**

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C Language Constants

```
#define ROWS 20  
#define COLUMNS 60  
#define GAME_GRID ROWS*COLUMNS
```

- Three constants are created, ROWS, COLUMNS, and GAME_GRID.
- The value of GAME_GRID is based on the product of constants ROWS and COLUMNS.

they would be changed in the c **tuts+**