

# C Programming Language

## Basics

This chapter explains the features, technical details and syntaxes of the C programming language. I assume that you could write some simple programs. Otherwise, read "Introduction to Programming in C for Novices and First-time Programmers".

### 1. Introduction to C

#### C Standards

C is standardized as ISO/IEC 9899.

1. K&R C: Pre-standardized C, based on Brian Kernighan and Dennis Ritchie (K&R) "The C Programming Language" 1978 book.
2. C90 (ISO/IEC 9899:1990 "Programming Language, C"). Also known as ANSI C 89.
3. C99 (ISO/IEC 9899:1999 "Programming Language, C")
4. C11 (ISO/IEC 9899:2011 "Programming Language, C")

#### C Features

(TOC)

#### C Strength and Pitfall

(TOC)

### 2. Basic Syntaxes

#### 2.1 Revision

Below is a simple C program that illustrates the important programming constructs (sequential flow, while-loop, and if-else) and input/output. Read "Introduction to Programming in C for Novices and First-time Programmers" if you need help in understanding this program.

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**Christian G. Meyer**



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web asme boiler and pressure vessel code week november 2023 houston tx 08 00 am 09 30 am tg alloy 709 code case sg htr bpv iii public meeting adam maslowski ptc 25 closed meeting colleen rodrigues 01 00 pm 02 00 pm tg weld residual stress wrs for new plant