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 Languages. C"). Also known as ANSI C 89.
3. C99 (ISO/IEC 9899:1999 "Programming Languages. C")
4. C11 (ISO/IEC 9899:2011 "Programming Languages. C")

C Features

[TODO]

C Strength and Pitfall

[TODO]

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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