Pointers in C

Extends Pointers in C and C++

Pointers in C and C++ are very complex issues; however, it is very easy to understand if you are in a right direction.

First, I am going to describe what pointers do and then give some examples. Second, I will create some confusion to make you understand what problem you will face in future but at the end, I will clear up all.

In simple term, pointer is a variable, which holds a memory address of another variable. For **16 bit** compilers, pointers themselves are **2 bytes** (one is for their existence and the other byte is for the indication of memory location), however for 32 bit compilers it would be **4 bytes**. There are two types of pointers **huge (4 Bytes)** and **far (4 Bytes).** Luckily, you do not have to worry about huge and far.

When we first declare a pointer, it is a null pointer unless it points to something. Let us see some example in the below code.

**(Read the comments to understand more)**

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Now that you have understood what a NULL pointer is, we can move on to next few examples.

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Another great way of learning is thinking things simply ; the entire processing picture of the pointers may seem cumbersome, however thinking things in a simple form can make you learn the entire result easily than it is. Now we can see some interesting parts of pointers in below.

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Now we can visit the **confusion** part, which will conclude the promise that I had done earlier.

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