
Subject: Re: Order of member initialization
Posted by [peterh](#) on Thu, 22 Sep 2022 22:26:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

[/quote]

with inherited classes, that's what I thought too (that it proceeded left to right), but I didn't check.

https://en.cppreference.com/w/cpp/language/eval_order

Looks like they call them sequence points and they proceed in order - here's initialization lists:

Quote:

10) In list-initialization, every value computation and side effect of a given initializer clause is sequenced before every value computation and side effect associated with any initializer clause that follows it in the brace-enclosed comma-separated list of initializers.

Oh my god, I am german spoken and this is hard to understand in english.
The DeepL transator, (which is usually very good) makes it completely confused.

I hope this translates to this semantically:

- 1) A sequence point is a finalizing point where all preceding calculations and initializations are completely processed.
- 2) An initializer list is strictly evaluated from left to right, and each bracketed, comma separated initializer term ends with a sequencing point.

I hope I am not in error ; (I hope and assume this, because it makes some sense for me)
