

Re: Function call evaluation order

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"Cheng" <chengwuchew@xxxxxxxxxxxx> wrote in message
<news:u8X%23alhTGHA.4340@xxxxxxxxxxxxxxxxxxxxxxxx>

I need help to explain the behavior with the code below. I would like to chain up function call into a single line, while the order of the function call is correct, I cannot be certain with order the expression within the function call is evaluated.

Would it be better, then, to write all the function call into separate lines?

```
s.assign(data[i++]).append(data[i++]).append(data[i++]);
```

Not only would it be better – you must do so. The statement shown above exhibits undefined behavior. There exists a possible legal order of execution of various subexpressions that results in the variable 'i' being modified more than once between sequence points.

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With best wishes,
Igor Tandetnik

With sufficient thrust, pigs fly just fine. However, this is not necessarily a good idea. It is hard to be sure where they are going to land, and it could be dangerous sitting under them as they fly overhead. — RFC 1925