

Re: Pointers to functions: Is this the right [f03] syntax?

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- *From:* nospam@xxxxxxxxxxxxxx (Richard Maine)
 - *Date:* Wed, 21 Jun 2006 19:51:51 -0700
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Andy <andyv@xxxxxxxxxxxxxx> wrote:

Richard E Maine wrote:

Andy <andyv@xxxxxxxxxxxxxx> wrote:

I've made a couple fixes and the current g95 can compile and run this code fine now. I am worried that things may be a little too loose in that the pointer p in the original code points to a subroutine, then later on a function,

I don't see that in the code posted here, though I suppose it might be so in the prior posting to gg95 (I don't often read that group).

It looked something like:

[elided code that looks just as Andy described]

I think I'll let someone else comment on the legality of that. I'm not sure. I would probably argue that it is invalid. I know that you can have a pointer that can point to either a function or a subroutine, but I think I'd argue that once you establish that it is one or the other in a specific scope, that fact "sticks". After all – you for sure can't have it be a function returning two different types in two different references in the same scope; there's just no way to declare such a dynamic change. Referencing the pointer as a function or subroutine ought to establish adequately.

But then I seem to recall making an argument somewhat along those lines and having it rebutted in the J3 list. It probably wasn't this exact

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case, but something close enough that I'm more than normally reluctant to push my interpretation as accurate.

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Richard Maine | Good judgement comes from experience;
email: last name at domain . net | experience comes from bad judgement.
domain: summertriangle | -- Mark Twain

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