Subject: Re: STRUCT ASSIGN

Posted by Martin Schultz on Sun, 23 Aug 1998 07:00:00 GMT

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Robert S. Mallozzi wrote:

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> Hi all,
> I have a structure defined as follows:
> a = { f1: 0, f2: { x: 0, y: 0}}
> [...]
```

- > So, must I resort to field-by-field copy? The problem
- > is that "a" is actually an object ("self"), which has
- > some member variables that are large structures.
- > A field-by-field copy would be tedious, as each
- > structure has on the order of 30 fields, or so.
- > I wanted to write a generic "set" method that will
- > initialize the object's structures with some data.
- > If I must do a field-by-field copy, I would then
- > have to have several "set" methods, each of which is
- > specialized for each of the different stuctures
- > within the object.

>

As Mark points out, the problem here is that you are actually using two different anonymous structures. There has been a recent discussion in this newsgroup about a similar problem: If you type help,a.f2,data,/stru you will se something like:

The number in <> identifies the structure "type"...

- > So, must I resort to field-by-field copy? The problem
- > is that "a" is actually an object ("self"), which has
- > some member variables that are large structures.
- > A field-by-field copy would be tedious, as each
- > structure has on the order of 30 fields, or so.
- > I wanted to write a generic "set" method that will
- > initialize the object's structures with some data.

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- > have to have several "set" methods, each of which is
- > specialized for each of the different stuctures
- > within the object.

>

What you describe here sounds like a typical application for pointers. Nesting structures within structures within structures ... can usually only be achieved with the help of these things. Here is an example:

You can test the contents of your sub-structure with tag_names(): print,tag_names(*a.f2)

Hope, this gives a hint in the right direction, Martin.

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