

Re: Is "scope" different from "visibility" ?

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Jack Klein <jackklein@spamcop.net> writes:

> On 9 Feb 2005 20:04:04 -0800, "TTroy" <tinesan@gmail.com> wrote in
> *comp.lang.c:*
>
>> *I have a few questions about "scope" and "visibility," which seem like*
>> *two different things.*
>
> *Scope is something defined by the C standard. "visibility" is not.*

The standard does not specifically define "visibility" but it does use the term "visible" a fair amount, e.g.:

For each different entity that an identifier designates, the identifier is visible (i.e., can be used) only within a region of program text called its scope.

...

Within the inner scope, the identifier designates the entity declared in the inner scope; the entity declared in the outer scope is hidden (and not visible) within the inner scope.

Unless explicitly stated otherwise, where this International Standard uses the term "identifier" to refer to some entity (as opposed to the syntactic construct), it refers to the entity in the relevant name space whose declaration is visible at the point the identifier occurs.

...

If more than one declaration of a particular identifier is visible at any point in a translation unit, the syntactic context disambiguates uses that refer to different entities.

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"I should killfile you where you stand, worthless human." --Kaz