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Subject: Re: Template problem

Posted by [bytefield](#) on Fri, 22 Feb 2008 13:58:47 GMT

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waxblood wrote on Fri, 22 February 2008 15:32l remember Mirek once said somewhere in the forum that inheriting classes from upp containers is discouraged, as it is with STL... . Maybe problems arise just because STL is not designed to do such operations, but I can't tell more.

David

Yeah i know it's not a good behavior but in that case(it was an example from Bjarne C++ programming book) `std::vector` doesn't raise any exception if you use `[]` operator over the vector limits and it could result in segmentation fault. So a solution to this problem is to inherit from `vector` and in new `[]` operator use `return vector::at(i)` which raise an exception if `i` is out of vector limits(see first example).

Sometimes is useful to inherit from containers[ex. if you want to make some gui stuff(ex. sizers) and cannot keep container as member].

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