

## Re: Question about design?

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  - *Date:* Sat, 18 Mar 2006 23:55:22 -0500
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Matt wrote:

I have the following code:

```
class Base { ... }
template <class T> class Derived : Base { public: T value; ... }
vector<Base*> v;
v.push_back(new Derived<int>(1));
```

Shouldn't compile. 'Base' is a private base class, conversion to a pointer to it from Derived<> is not allowed.

```
v.push_back(new Derived<string>("abc"));
...
To get the value, I had to do the cast
((Derived<int>*) v.at(0))->value = 2;
((Derived<string>*) v.at(1))->value = "xxx";
```

Any better way to do it? Thanks.

Well, the use of 'dynamic\_cast' is preferred to what you tried here. And if you're going to use 'dynamic\_cast', read about the possible result if the class is not the one to which you try converting.

V  
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