
Subject: Re: Need advice about inheritance

Posted by [Antonio Santiago](#) on Mon, 23 May 2005 15:34:05 GMT

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> ADD returns a new instance. I use OBJ_NEW("data",...) to create the new
> instance. How do I get the ADD method of the DATA class to return a
> TIMEDATA without copying the code to the TIMEDATA class and changing
> the OBJ_NEW call? Is it proper to get the current class type string
> (OBJ_CLASS(self)) and use that in the OBJ_NEW call, or is there a
> better way?
>

Sorry, but I don't understand well (perhaps because I am a bad english reader).

I suppose when you want to create a new object you know what type of object create, no? Then if you want to create a TIMEDATA object the call is: OBJ_NEW('TimeData', x, y)

Why do you need to create an OBJ_NEW('Data', ...) to create an TIMEDATA?? On a DATA object you can't invoke TIME operation, this is responsibility of TIMEDATA class.

Inside TIMEDATA class (I suppose) you invoke the DATA::Init method, also I suppose the DATA class is more closely to be an storage site (stores x, y) where its subclasses retrieves the x, y values and interprets on its own way.

Then the TIMEDATA::Add method gets x, y values and makes a time addition. If the code of TIMEDATA::Add is the same as the DATA::Add then you don't need to write the code, simply when you invoke TIMEDATA::Add really you are invoking the DATA::Add method.

> For the "data" class, all parameters have names that include "X" and
> "Y" (like "MAXX", "XVALUES", etc.). For the "timedata" class, I
> overwrite many functions to modify the parameter names to include
> "TIME" and "VALUE" (like "MAXTIME", "TIMES", etc.). That's why the
> init parameters are different. Is there a better way to handle this?

Finally, in my own opinion, you shouldn't put this names to your methods. When you creates a TIMEDATA object you known this is related with time and then Add method makes an addition with time values. This notation can complicate your code when use polymorphym (I think this is what you want with you ADD method in DATA and TIMEDATA classes).

Bye Mr. W. :)
(from Mr. A)

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