
Subject: Re: Need advice about inheritance
Posted by [wcramer](#) on Tue, 07 Jun 2005 17:48:36 GMT
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Sorry that it's taken me so long to respond to your post, "Mr. A"; I got sidetracked with something else.

Let's do this with code so it will be more clear. Here's what I have:

```
function data::add,data2
...
result = obj_new('data', <data init params>)
...
return, result
end
```

I want this function to return a TIMEDATA object if called with a TIMEDATA object. There are two ways that I can think of to do this:

(1) Override the ADD function in the TIMEDATA class:

```
function timedata::add,timedata2
...
temp = data::add(timedata2)
result = obj_new('timedata', data = temp)
...
return, result
end
```

I really don't want to do this.

(2) Dynamically pass the class type to OBJ_NEW:

```
function data::add,data2
...
result = obj_new(obj_class(self), <common data/timedata init params>)
...
return, result
end
```

The problem with this method is that I define the INIT parameters as keyword parameters, and the parameter names are different for DATA and TIMEDATA. I can't convert the parameters to positional parameters because INIT allows multiple possibilities of initialization (MATRIX, SIZE, or X/TIMES and Y/VALUES)

Is there a better way to do this that I haven't thought of?

Thanks,
Doug
