
Subject: object oriented dilemma

Posted by [Jason Li](#) on Mon, 09 Oct 2000 07:00:00 GMT

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Dear fellow IDL lovers,

If I want to write an image processing software using OOP method, I would normally define a structure in `__define` module:

```
PRO myProgram__define
  struct = {imagePointer:Ptr_New()}
END
```

Traditionally, a pointer is used to take care of variable image size. Then load an image to `self.imagePointer` in the `myProgram__init` module.

```
hugeImage = bytarr(huge, huge)
self.imagePointer = Ptr_New(hugeImage, /no_copy)
```

Now in my METHOD modules, I have to perform an operation on line by line basis. I don't know how to get a line data out of this `self.imagePointer` without making a copy (dereferencing) of it first. My image size is rather large. I don't know how to be more memory efficient.

Question: What is the solution to this?

thanks

Jason

Subject: Re: object oriented dilemma

Posted by [davidf](#) on Mon, 09 Oct 2000 07:00:00 GMT

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Nick Bower (bowern@ses.curtin.edu.au) writes:

```
> i wonder if this will ever be addressed so we can discard the parentheses.
> after all there couldn't be another meaning for,
>
> line = *self.imagePointer[5,*]
```

Well, as a matter of fact, if you just rearranged that, it would be the 6th column and all the rows of the pointer array set to the value of line. :-)

```
*self.imagePointer[5,*] = line
```

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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Subject: Re: object oriented dilemma

Posted by [Nick Bower](#) on Tue, 10 Oct 2000 02:25:33 GMT

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```
> line = (*self.imagePointer)[5,*]
```

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```
line = *self.imagePointer[5,*]
```

could there?

nick

Subject: Re: object oriented dilemma

Posted by [Mark Hadfield](#) on Tue, 10 Oct 2000 03:05:34 GMT

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"Nick Bower" <bowern@ses.curtin.edu.au> wrote in message
news:39E27E1D.CBF04991@ses.curtin.edu.au...

```
>> line = (*self.imagePointer)[5,*]
```

```
>
```

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```
>
```

```
> line = *self.imagePointer[5,*]
```

```
>
```

```
> could there?
```

No, but there could be another meaning for

```
line = *self.imagePointer[5]
```

Mark Hadfield
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PO Box 14-901, Wellington, New Zealand

Hi! I'm a .signature virus! copy me into your .signature file to help me spread!

Subject: Re: object oriented dilemma
Posted by [William Daffer](#) on Fri, 27 Oct 2000 19:56:12 GMT
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Nick Bower <bowern@ses.curtin.edu.au> writes:

```
>> line = (*self.imagePointer)[5,*]
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>
> line = *self.imagePointer[5,*]
>
> could there?
>
>
```

what if self.imagepointer = ptrarr(10,10) ?

whd

--

Ab hoc possum videre domum tuum.
Public Key: <http://home.earthlink.net/~whdaffer/#PGP-public-key>
