Subject: IDL_Object example // help with
Posted by Matthew Argall on Sat, 01 Mar 2014 21:29:29 GMT

Hi, all,

In an effort to learn more about the IDL_Object class, I created an array object that I want to behave exactly like a normal array by using the _Overload* methods. Everything is working out fine, except for the _OverloadBracketsLeftSide. I have no idea how to do it.

Here is the class
 https://dl.dropboxusercontent.com/u/42944960/mrarray__define .pro

With a normal array, I can do something like this

```
IDL> array = fltarr(2,4,4)
IDL> array[0, 1:2, [0,2,3]] = randomu(1, 1, 2, 3)
```

or even

```
IDL> array = fltarr(2,4,4)
IDL> array[0, 1:2, [0,2,3]] = randomu(1, 6)
```

Does anyone know how to do this with the _OverloadBracketsLeftSide method? I thought I saw a clever recursive approach by Mike Galloy in one of his classes, but I cannot seem to find it again.

Examples using MrArray__Define (suggestions welcome)::

```
myArray = obj_new('MrArray', findgen(3,10))
help, myArray
print, myArray
print, myArray - 6
help, myArray[1:2, 4:7]      ;_OverloadBracketsRightSide was easy (but perhaps ugly)
print, myArray * myArray
array -> SetType, 'BYTE'
print, myArray AND 5
print, ~myArray
myArray.array = randomu(5, 5, 5)
```