
Subject: Constant Size Array in Class Init

Posted by [Chris Williams](#) on Mon, 23 May 2011 21:27:18 GMT

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I am creating a class that holds multidimensional data of several different arrays. What I am trying to do is create a class to hold the arrays, and then define the array sizes in the init function since they will be different sizes.

For example, I want to do something like this

```
FUNCTION myclass:init, dim1, dim2, dim3
```

```
myarray = dblarr(dim1, dim2, dim3)
```

```
RETURN,1
```

```
END
```

```
PRO myclass__define
```

```
void = {myclass, myarray :dblarr } ;NO SIZE ON ARRAY
```

```
RETURN
```

```
END
```

However, I get a conflicting data structure error without first defining the size of the array in the procedure myclass__define. Is there an empty array object that allows me to define the array size at initialization and not at object creation?

Another example in JAVA,

```
//Class definition
```

```
class myClass(){  
double myarray[][][];
```

```
//Constructor
```

```
myClass(dim1, dim2, dim3){  
myarray = new double[dim1][dim2][dim3];  
}
```

```
}
```
