
Subject: Re: allocating data to different array on each loop step
Posted by [David Fanning](#) on Mon, 14 Nov 2005 04:52:56 GMT
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Richard G. French writes:

```
> Well, you can use the EXECUTE command if you want to define the variables on
> the fly:
>
>
>
> pro arrays
> for n=1L,10 do begin
> ;create arrays of different sizes
>     array=findgen(n)#findgen(10*n)
> ; construct a command to execute, defining the new variable name
>     cmd=string(n,format='("array",!0,"=array")')
>     print,cmd
>     result=execute(cmd)
> endfor
> help
> end
>
>
> IDL> arrays
> array1=array
> array2=array
> array3=array
> array4=array
> array5=array
> array6=array
> array7=array
> array8=array
> array9=array
> array10=array
> % At ARRAYS          8 /Users/rfrench/arrays.pro
> % $MAIN$
> ARRAY      FLOAT    = Array[10, 100]
> ARRAY1     FLOAT    = Array[1, 10]
> ARRAY10    FLOAT    = Array[10, 100]
> ARRAY2     FLOAT    = Array[2, 20]
> ARRAY3     FLOAT    = Array[3, 30]
> ARRAY4     FLOAT    = Array[4, 40]
> ARRAY5     FLOAT    = Array[5, 50]
> ARRAY6     FLOAT    = Array[6, 60]
> ARRAY7     FLOAT    = Array[7, 70]
> ARRAY8     FLOAT    = Array[8, 80]
```

```
> ARRAY9      FLOAT   = Array[9, 90]
> CMD         STRING  = 'array10=array'
> N           LONG    =      11
> RESULT      INT     =      1
```

Humm. I thought he was looking for "efficient". Oh, well,
I guess the old garage sale adage holds for science
concepts, too: What's junk to me, is a treasure for you! :-)

Cheers,

David

--

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