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Subject: Re: Incremental variable names?

Posted by [MKatz843](#) on Mon, 02 Feb 2004 16:52:39 GMT

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Jonathan, I apologize if this solution is way too obvious and you may have something else in mind. Have you considered an array?

```
t = fltarr(10)
```

```
t(0)
```

```
t(1)
```

```
t(2)
```

If the values all need to be of different types, then pointers come to the rescue.

```
t = ptrarr(10)
```

```
t(0) = ptr_new(0.5)
```

```
t(1) = ptr_new('hello')
```

```
t(2) = ptr_new(dblarr(100,400))
```

```
print, *t(0)
```

```
print, *t(1)
```

```
and so forth
```

Plus you can extend the length at will

```
t = [t, ptr_new('extension works')]
```

or remove elements, retaining only some.

```
t = t([1, 3, 4])
```

Is there a reason why this wouldn't work for you?

M. Katz.

Jonathan Greenberg <[greenberg@ucdavis.edu](mailto:greenberg@ucdavis.edu)> wrote in message  
news:<[BC430FE2.18E9C%greenberg@ucdavis.edu](mailto:BC430FE2.18E9C%greenberg@ucdavis.edu)>...

> Have a question about variable names. Is there any way to create and then

> call variable names that have some incremental value in them, e.g.:

>

> t0

> t1

> t2

>

> Etc... I want to be able to first create and assign a value to tn where n =

> 0 to whatever, and then be able to subsequently call that variable using a

> loop.

>

> --j

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