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Subject: Re: more for-loops vs. arrays

Posted by [reardonb](#) on Wed, 08 Mar 2000 08:00:00 GMT

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Thanks, Everyone!

Perhaps I should read the documentation more closely next time.

-Brian

In article <8a5vol\$pa1\$1@nnrp1.deja.com>,

reardonb@my-deja.com wrote:

```
> I also have a For-loop vs. array question.
> I want to fill an array with a random sequence of
> 1's and 0's. This works:
>
> array1 = intarr(5,4)
> for I=0,4-1 do begin
>   for II=0,5-1 do begin
>     array1[II,I] = round(randomu(s))
>   endfor
> endfor
>
> but can I do it without for loops?
> Thanks.
> -Brian
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.
>
```

Sent via Deja.com <http://www.deja.com/>

Before you buy.

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Subject: Re: more for-loops vs. arrays

Posted by [Steve Hartmann](#) on Wed, 08 Mar 2000 08:00:00 GMT

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reardonb@my-deja.com wrote:

```
> I also have a For-loop vs. array question.
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> 1's and 0's. This works:
>
>   array1 = intarr(5,4)
>   for I=0,4-1 do begin
>     for II=0,5-1 do begin
>       array1[II,I] = round(randomu(s))
```

>           endfor  
>       endfor  
>  
> but can I do it without for loops?  
> Thanks.  
> -Brian  
>

How about this?

```
array1 = round( randomu(s,5,4) )
```

-Steve

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Subject: Re: more for-loops vs. arrays  
Posted by [davidf](#) on Wed, 08 Mar 2000 08:00:00 GMT  
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Brian Reardon (reardonb@my-deja.com) writes:

> I also have a For-loop vs. array question.  
> I want to fill an array with a random sequence of  
> 1's and 0's. This works:  
>  
> array1 = intarr(5,4)  
> for l=0,4-1 do begin  
>   for ll=0,5-1 do begin  
>     array1[ll,l] = round(randomu(s))  
>   endfor  
> endfor  
>  
> but can I do it without for loops?

My Goodness! Here is one even \*I\* know how to do. :-)

```
Print, Floor( RandomU(seed, 5, 4) * 2 )
```

Cheers,

David

--

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

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Subject: Re: more for-loops vs. arrays  
Posted by [Ben Tupper](#) on Wed, 08 Mar 2000 08:00:00 GMT  
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reardonb@my-deja.com wrote:

```
> I also have a For-loop vs. array question.  
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> 1's and 0's. This works:  
>  
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>     for I=0,4-1 do begin  
>         for II=0,5-1 do begin  
>             array1[II,I] = round(randomu(s))  
>         endfor  
>     endfor  
>  
> but can I do it without for loops?  
>
```

Hello,

I think so... try the following

```
Arr = RandomU(Seed, 5,4)
```

```
Arr = Arr * (Arr GT 0.5)
```

You could actually shorten this to ...

```
Arr = RandomU(Seed,5,4) GT 0.5
```

Be sure to check of the earlier discussion about the random number generation in IDL , I think it starts with Fun with Random Numbers.

Ben

--

Ben Tupper

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