Subject: Re: more for-loops vs. arrays
Posted by reardonb on Wed, 08 Mar 2000 08:00:00 GMT
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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.

Thanks, Everyone!

Sent via Deja.com http://www.deja.com/ Before you buy.

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.
    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
How about this?
array1 = round( randomu(s,5,4) )
Steve
```

Subject: Re: more for-loops vs. arrays Posted by davidf on Wed, 08 Mar 2000 08:00:00 GMT View Forum Message <> Reply to Message

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 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?
My Goodness! Here is one even *I* know how to do. :-)
 Print, Floor(RandomU(seed, 5, 4) * 2)
Cheers,
David
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
```

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

Toll-Free IDL Book Orders: 1-888-461-0155

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?
>
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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pemaquidriver@tidewater.net
```