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Subject: Re: Help assigning values to ranges of elements in an array???

Posted by [nmw](#) on Wed, 11 Oct 1995 07:00:00 GMT

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In article <45ff2r\$n3f@mirv.unsw.edu.au>,

[jgm@nntp.unsw.EDU.AU](#) (Julian Marshall) writes:

> Hi.

> I was hoping someone could help me by suggesting a way by which

> I can assign values to a range of elements in an array. To be

> more exact, I want to make elements 0 to 100 (for eg.) of a

> 200 element array equal to a value or equal to values in a 100

> element array.

> Of course I can use for loops but I feel this is inefficient and

> a bit annoying when handling 256\*256\*256 bytarrs.

> IDL allows one to use an array operation to specify a range of

> values in an array (ie. A=B>10) but is it possible to use an

> array operation to specify a range of elements.

> Thanx

>

> julian

> [jgm@newt.phys.unsw.edu.au](#)

> ..

>

For your example you could simply do this (scaled down by 10 of course) :

```
IDL> a=indgen(20)
```

```
IDL> print,a
```

```
  0  1  2  3  4  5  6  7  8  9 10
 11 12 13 14 15 16 17 18 19
```

```
IDL> b=intarr(10)+999
```

```
IDL> a(0:9)=23
```

```
IDL> print,a
```

```
 23 23 23 23 23 23 23 23 23 23 10
 11 12 13 14 15 16 17 18 19
```

```
IDL> a(0:9)=b
```

```
IDL> print,a
```

```
999 999 999 999 999 999 999 999 999 999 10
 11 12 13 14 15 16 17 18 19
```

```
IDL>
```

You can also do things like:

```
IDL> a=indgen(5,3)
```

```
IDL> print,a
```

```
  0  1  2  3  4
  5  6  7  8  9
 10 11 12 13 14
```

```
IDL> a(3,*)=99
IDL> print,a
  0   1   2   99   4
  5   6   7   99   9
 10  11  12   99  14
IDL> a(2:4,1)=0
IDL> print,a
  0   1   2   99   4
  5   6   0   0   0
 10  11  12   99  14
IDL>
```

Or if you had something a bit more complicated in mind :

```
IDL> a=indgen(5,3)
IDL> b=[0,2,4]
IDL> a(b,1)=999
IDL> print,a
  0   1   2   3   4
 999   6  999   8  999
 10  11  12  13  14
IDL>
```

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