Subject: Re: Simple question about the '>' sign.
Posted by David Fanning on Sat, 30 Jan 2010 20:38:11 GMT
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munka writes:

> I came across this line:
>
> Y=(B - A*6)>0.
>
> is this equal to:
>
> Y=B - A*6
> index=where(Y lt 0., ct)
> if ct ne 0 then Y[index]=0.

No, this is the "greater than" operator. It compares
the two values on either side of the operator and returns
the largest of the two.

> Also, is the decimal point after the 0 significant?

No.

> It would help if
> I could find somewhere that listed all of the symbols. I think I
> found it once,when I had to figure out what the "~" did.... i just
> remember looking for a long time to try to figure out what that symbol
> meant. It is not blatantly obvious, and everything I google doesn't
> come up with the right answers :(

If you use the Index tab of the IDL on-line help and type
a greater than symbol into the Search box, this operator is
the first to appear.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Simple question about the '>' sign.
Posted by wlandsman on Sat, 30 Jan 2010 21:39:11 GMT
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On Jan 30, 3:38 pm, David Fanning <n...@dfanning.com> wrote:
> munka writes:
>> I came across this line:
>
>> Y=(B - A*6)>0.
>
>> is this equal to:
>

> No, this is the "greater than" operator. It compares
> the two values on either side of the operator and returns
> the largest of the two.

Just to be clear, that is what the 3 lines of code are doing, so the
answer is yes,

Y = (B-A*6) > 0

is equivalent to

```
 Y=B - A*6
 index=where( Y lt 0., ct)
 if ct ne 0 then Y[index]=0.
```

Wayne

Subject: Re: Simple question about the '>' sign.
Posted by David Fanning on Sun, 31 Jan 2010 00:25:49 GMT
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wlandsman writes:

> Just to be clear, that is what the 3 lines of code are doing, so the
> answer is yes,
>
> Y = (B-A*6) > 0
>
> is equivalent to
>
> Y=B - A*6
> index=where(Y lt 0., ct)
> if ct ne 0 then Y[index]=0.

Sorry. Didn't really read the code. Tennis, you know. ;-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Simple question about the '>' sign.
Posted by R.G.Stockwell on Mon, 01 Feb 2010 22:55:30 GMT
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> munka writes:
>
>> I came across this line:
>>
>> Y=(B - A*6)>0.
>>
>> is this equal to:
>>
>> Y=B - A*6
>> index=where(Y lt 0., ct)
>> if ct ne 0 then Y[index]=0.
>
> No, this is the "greater than" operator. It compares
> the two values on either side of the operator and returns
> the largest of the two.
>
>> Also, is the decimal point after the 0 significant?

actually, it could force Y to be a float array, rather than an int array.
(if a and b are ints)

```
IDL> help,( b - a*6) > 0
<Expression>    INT       = Array[10]
IDL> help,( b - a*6) > 0.
<Expression>    FLOAT     = Array[10]
```

Subject: Re: Simple question about the '>' sign.

Posted by David Fanning on Mon, 01 Feb 2010 23:02:51 GMT
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R.G. Stockwell writes:

> actually, it could force Y to be a float array, rather than an int array.
> (if a and b are ints)
>
> IDL> help,(b - a*6) > 0
> <Expression> INT = Array[10]
> IDL> help,(b - a*6) > 0.
> <Expression> FLOAT = Array[10]

Next time, I'm going to read the damn question before
I answer it. :-(

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: Simple question about the '>' sign.
Posted by Kenneth P. Bowman on Tue, 02 Feb 2010 15:23:52 GMT
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In article <MPG.25d10b8422472a4a9896a4@news.giganews.com>,
 David Fanning <news@dfanning.com> wrote:

> R.G. Stockwell writes:
>
>> actually, it could force Y to be a float array, rather than an int array.
>> (if a and b are ints)
>>
>> IDL> help,(b - a*6) > 0
>> <Expression> INT = Array[10]
>> IDL> help,(b - a*6) > 0.
>> <Expression> FLOAT = Array[10]
>
> Next time, I'm going to read the damn question before
> I answer it. :-(

>
> Cheers,
>
> David

RTFQ, then tell them to RTFM. :-)

Cheers, Ken

Subject: Re: Simple question about the '>' sign.
Posted by munka on Wed, 03 Feb 2010 04:52:27 GMT
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On Feb 2, 9:23 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
> In article <MPG.25d10b8422472a4a989...@news.giganews.com>,
> David Fanning <n...@dfanning.com> wrote:
>
>
>
>
>
>
>> R.G. Stockwell writes:
>
>>> actually, it could force Y to be a float array, rather than an int array.
>>> (if a and b are ints)
>
>>> IDL> help,(b - a*6) > 0
>>> <Expression> INT = Array[10]
>>> IDL> help,(b - a*6) > 0.
>>> <Expression> FLOAT = Array[10]
>
>> Next time, I'm going to read the damn question before
>> I answer it. :-(
>
>> Cheers,
>
>> David
>
> RTFQ, then tell them to RTFM. :-)
>
> Cheers, Ken

Well. I have to admit, I don't actually have IDL installed on my home computer, where I sent the question from. I only have it installed on the computer that I work on, which is in the office. I looked up the symbols, and I realized that I know very little about the crazy symbols IDL has. They're not too complex, I just haven't had any

experience with them. (except for ?... that one still confuses me)

Thanks for the responses!
~Bill

Subject: Re: Simple question about the '>' sign.
Posted by Wout De Nolf on Wed, 03 Feb 2010 10:12:32 GMT
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On Tue, 2 Feb 2010 20:52:27 -0800 (PST), munka
<mynameismunka@gmail.com> wrote:

> I looked up the
> symbols, and I realized that I know very little about the crazy
> symbols IDL has. They're not too complex, I just haven't had any
> experience with them. (except for ?... that one still confuses me)

Have a look at this:
 http://michaelgalloy.com/2006/11/01/periodic-table-of-idl-op erators.html

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