
Subject: Re: logical_true vs nothing in an if statment
Posted by [Michael Galloy](#) on Wed, 18 Sep 2013 20:22:51 GMT
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On 9/18/13 2:07 PM, mynameismunka@gmail.com wrote:
> On Wednesday, September 18, 2013 12:53:44 PM UTC-7, Paul van Delst wrote:
>> See:
>>
>>
>>
>> http://www.exelisvis.com/docs/Definition_of_True_and_F.html
>>
>>
>>
>> Your "if i then..." example is well documented (if a little strange)
>>
>> behaviour.
>>
>>
>>
>> On 09/18/13 15:44, mynameismunka@gmail.com wrote:
>>
>>> Why is the behavior of the 'if' statement in idl like this? I
>>
>>> was under the impression putting nothing there is equivalent to
>>
>>> the logical_true() statment???!
>>
>>>
>>
>>>
>>
>>>
>>
>>> IDL> for i=0,10 do if i then print,'true' else print,'false'
>>
>>> false
>>
>>> true
>>
>>> false
>>
>>> true
>>
>>> false
>>
>>> true
>>

```

>>> false
>>
>>> true
>>
>>> false
>>
>>> true
>>
>>> false
>>
>>> IDL> for i=0,10 do if logical_true(i) then print,'true' else print,'false'
>>
>>> false
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>> true
>>
>>>
>
> Thanks for the help.
>

```

But, you can change this behavior in selected routines with the `logical_predicate` compile option:

```

IDL> for i = 0, 10 do if i then print, 'true' else print, 'false'
false
true
false
true
false

```

```
true
false
true
false
true
false
IDL> compile_opt logical_predicate
IDL> for i = 0, 10 do if i then print, 'true' else print, 'false'
false
true
true
true
true
true
true
true
true
true
true
```

Mike

--

Michael Galloy

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation
