## Subject: Re: Bitwise AND, OR, NOT, and XOR?
Posted by Liam Gumley on Fri, 16 Dec 1994 17:15:44 GMT

"Matthew T. Adams" <mtadams@columbine.hsc.colorado.edu> wrote:
> I can't seem to find anything in my documentation about whether IDL
> has the bitwise operators AND, OR, NOT, and XOR.

IDL does implement Boolean bitwise AND, OR, NOT, and XOR.
See 'Boolean operators', IDL User's Guide v3.6, p 4-13.

## Subject: Re: Bitwise AND, OR, NOT, and XOR?
Posted by hahn on Sat, 17 Dec 1994 01:47:21 GMT

In article <3cscl1$6pd@tali.hsc.colorado.edu> "Matthew T. Adams"
<mtadams@columbine.hsc.colorado.edu> writes:
> From: "Matthew T. Adams" <mtadams@columbine.hsc.colorado.edu>
> Subject: Bitwise AND, OR, NOT, and XOR?
> Date: 16 Dec 1994 15:44:33 GMT

> Hello, all.

> I can't seem to find anything in my documentation about whether IDL
> has the bitwise operators AND, OR, NOT, and XOR.

[remainder deleted to save bw]

Look at the following journal, it looks straight forward:
```
; IDL Version 3.6.1b (windows 3.1)
; Journal File for user@DOS Host
; Working directory: D:\IDL
; Date: Fri Dec 16 17:39:00 1994

a = 123b
b = 1b
print, a and b
;   1
print, a and 2b
;   2
c = string(a, format='(z2)')
print, c
;7b
print, a and 4b
;   0
print, a or 4b
; 127
```

print, a xor 4b
; 127
print, a xor 2b
; 121


Norbert Hahn

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## Subject: Re: Bitwise AND, OR, NOT, and XOR?
Posted by rep2857 on Thu, 22 Dec 1994 18:30:55 GMT
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In article <3cscl1$6pd@tali.hsc.colorado.edu>,
Matthew T. Adams <mtadams@columbine.hsc.colorado.edu> wrote:
>
> I can't seem to find anything in my documentation about whether IDL
> has the bitwise operators AND, OR, NOT, and XOR.
>
> Basically, I encode several different pieces of info into one byte,
...


Hi Matthew -

IDL includes all of the bitwise commands you mention.  The SHIFT and
ISHFT commands are also used for the type of work you are suggesting.
If you'd like to provide something specific, I can provide more info.
Email or post is fine.

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