
Subject: Re: AND statements

Posted by [steinhh](#) on Sat, 06 Mar 1999 08:00:00 GMT

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In article <O0s\$q03Z#GA.227@nih2naae.prod2.compuserve.com>

"Steve Scheele" <sscheele@scitor.com> writes:

> I wrote the previous message late at night - it really wasn't what I was
> thinking. I think that compound AND statements can be concisely written as;
>
> If Not (A EQ 0) Then If B/A GT 5 Then . . .
>
> Formed in this manner, the second part will not be evaluated is the first
> part is false.

True. The "problem" is when you want to write this up into
a short and concise test with an ELSE part, you'll have to
repeat the ELSE branch:

```
IF NOT (A EQ 0) THEN IF B/A GT 5 THEN <SOMETHING> $  
ELSE <SOMETHING_ELSE> $  
ELSE <SOMETHING_ELSE>
```

(Where the second SOMETHING_ELSE is the same as the first one)

The ?: construct gives a more compact notation:

```
IF ((A EQ 0) ? 0b : B/A GT 5) THEN <SOMETHING> $  
ELSE <SOMETHING_ELSE>
```

Personally, though, I don't like using the ?: construct
for anything but assignments, since it tends to clutter
up more complex statements..

> The problem that I have is with the OR statement. Something
> like
>
> If A EQ 0 OR B/A GT 5
>
> will blow up on A=0
>
> I haven't really figured out a good way to implement this type of OR
> statement.

```
IF (A EQ 0) ? 1b : B/A GT 5 THEN ...
```

But again, this isn't very readable...

