
Subject: Re: BREAK statement

Posted by [Helder Marchetto](#) on Wed, 01 Jul 2015 15:55:10 GMT

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On Wednesday, July 1, 2015 at 5:41:35 PM UTC+2, g.na...@gmail.com wrote:

> Hi I typed the following:

>

> A = sqrt(Ax^2 + Ay^2)

>

> nozero = where(A ne 0, cnt)

> if cnt eq 0 then break

>

> I got the following error:

> BREAK must be enclosed within a loop (FOR, WHILE, REPEAT), CASE, or SWITCH statement.

>

> The error is very clear. I am not sure if the following is equivalent

>

> A = sqrt(Ax^2 + Ay^2)

>

> nozero = where(A ne 0, cnt)

> if cnt eq 0 then return

>

> Using the return instead of break because that part of code does not enclosed within a loop. If not so, can anyone suggest a statement doing the same thing as BREAK without being enclosed within a loop?

Break and Return are simply different.

From the help

Break: exits a loop (as said in the error code)

Return: causes the program context to revert to the next-higher program level

In other words:

```
pro runTest
  print, 'start test'
  testBreakReturn
  print, 'end test'
end
```

```
Pro testBreakReturn
for i=0,10 do begin
  print, 'counting ',i
  if i eq 5 then break
endfor
print, "I'm out of the for loop!"
print, 'Now I will call the return statement'
```

```
return  
print, 'this line will not be executed because the return makes me return to the previous pro!'  
end
```

I hope it is clear.

Look up:

<http://www.exelisvis.com/docs/BREAK.html>

<http://www.exelisvis.com/docs/RETURN.html>

Cheers,
Helder
