
Subject: Re: Passing more than one variable out of a function.

Posted by [philipelson](#) on Wed, 25 Mar 2009 08:14:33 GMT

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On 25 Mar, 04:31, Ben <Benjamin.R.Ev...@gmail.com> wrote:

> The IDL intrinsic function WHERE can pass more than one variable out
> to the calling program.

>

> For example:

>

>> array=[0,2,4,6,8,10]

>> arr_subscripts = WHERE(array GT 5, count)

>> print, arr_subscripts

>

> 3,4,5

>

>> print, count

>

> 3

>

> The question is how can I write a user defined function which can pass
> more than one variable out to the calling program. Just like the WHERE
> function?

>

> I know that I could just use a procedure to do this. But I am just
> curious.

Hi Ben,

WHERE is simply passing an array back to you, you can do the same with
the example code below:

```
FUNCTION test, count=count
  IF ARG_PRESENT(count) THEN count=3
  RETURN, [3,4,5]
END
```

```
print, test(count=mycountvar)
print, mycountvar
```

The important thing to notice is that RETURN can accept an array as a
parameter.

Hope this helps.

Cheers,

