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,

Page 2 of 2 ---- Generated from comp.lang.idl-pvwave archive