Subject: Re: Multiple values from a function?
Posted by John-David T. Smith on Wed, 05 Jul 2000 07:00:00 GMT
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Craig Markwardt wrote:
>
> "J.D. Smith" <jdsmith@astro.cornell.edu> writes:
>>
>> void=routine_names('a',STORE=-1,val)
>>
>> Lions and tigers and bears, oh my!
>
> Pay no attention to the man behind the curtain! I still say this
> doesn't work for most cases, at least under Unix. The following is a
> simple transcript to test thes, which shows how ROUTINE_NAMES crashes
> when A is undefined, but works when A is defined. In every case that
> I tried (as noted below), the variable A needs to be defined at the
> calling level *first* before ROUTINE_NAMES(STORE=) will work.
>
> It could be that this works under v5.3, or on Windows. I don't know
> since we don't have those versions around here.
>
> Craig
>
> IDL> .run
> pro testset, name
> void = routine_names(name,store=-1,findgen(10))
> end
> % Compiled module: TESTSET.
>
> IDL> testset, 'a'   ;; A is undefined here, and it doesn't work
> % ROUTINE_NAMES: Variable is undefined: a.
> % Execution halted at: TESTSET   2 /dev/tty
> % $MAIN$
> IDL> retall
> IDL> a = 1
> IDL> testset, 'a'   ;; Now A is defined and it works.
> IDL> help, a
> A   FLOAT   = Array[10]
>
> IDL> print, !version
> { x86 linux unix 5.2.1 Jun 4 1999}
> { alpha OSF unix 5.2 Oct 30 1998}
> { x86 linux unix 5.1 Apr 13 1998}
> { alpha OSF unix 5.0 Apr 28 1997}
> { alpha OSF unix 4.0.1}

IDL> testset,'a'

```
IDL> print,a
      0.00000      1.00000      2.00000      3.00000      4.00000      5.00000
      6.00000      7.00000      8.00000      9.00000
IDL> print,!VERSION
{ x86 linux unix 5.3 Nov 11 1999}
```

You just need the new magic wand, version 5.3.

JD

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```
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```