
Subject: Re: .compile vs .run

Posted by [R.Bauer](#) on Mon, 18 Apr 2005 09:13:21 GMT

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m_schellens wrote:

> I have the following file 't.pro':

>

> pro t1

> print,'t1'

> end

>

> pro t

> print,'t'

> end

>

> pro t3

> print,'t3'

> end

>

>

> IDL 6.1 gives:

>

> IDL> .comp t

> % Compiled module: T1.

> % Compiled module: T.

> % Compiled module: T3.

> IDL> .run t

> % Compiled module: T1.

> % Compiled module: T.

> % Compiled module: T3.

>

> Isn't .run supposed to EXECUTE the main program?

> What is the difference between .compile and .run?

> Or what am I missing?

You missed a missing main program. Thats all procedures. A main program does not start with a pro statement. If t should be your main program put it at the end.

print,'t'

end

cheers

Reimar

> IDL 6.1

>

> marc

>

--

Reimar Bauer

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: .compile vs .run

Posted by [David Fanning](#) on Mon, 18 Apr 2005 12:50:52 GMT

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m_schellens writes:

> I have the following file 't.pro':

>

> pro t1

> print,'t1'

> end

>

> pro t

> print,'t'

> end

>

> pro t3

> print,'t3'

> end

>

>

> IDL 6.1 gives:

>

> IDL> .comp t

> % Compiled module: T1.

> % Compiled module: T.

> % Compiled module: T3.

> IDL> .run t

> % Compiled module: T1.

> % Compiled module: T.

> % Compiled module: T3.

>

- > Isn't .run supposed to EXECUTE the main program?
- > What is the difference between .compile and .run?
- > Or what am I missing?

I think probably your definition of "main program" is not the same as the definition used by IDL, since there is no "main program" (using the IDL definition) in your example. Their definition of a main program is a sequence of IDL statements (not beginning with a procedure or function definition statement), followed by an END statement.

```
print, 'main program'  
a = 5  
print, a  
END
```

In the absence of a "main program", the .RUN and .COMPILE executive commands act exactly the same.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: .compile vs .run

Posted by [Benjamin Hornberger](#) on Mon, 18 Apr 2005 14:45:20 GMT

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m_schellens wrote:

> I have the following file 't.pro':

```
>  
> pro t1  
> print,'t1'  
> end  
>  
> pro t  
> print,'t'  
> end  
>  
> pro t3  
> print,'t3'  
> end  
>
```

```
>
> IDL 6.1 gives:
>
> IDL> .comp t
> % Compiled module: T1.
> % Compiled module: T.
> % Compiled module: T3.
> IDL> .run t
> % Compiled module: T1.
> % Compiled module: T.
> % Compiled module: T3.
>
> Isn't .run supposed to EXECUTE the main program?
```

I think the above is not a main program. It's a procedure. Main programs don't have the "PRO ..." line (but they do have the END statement).

> What is the difference between .compile and .run?

I think for functions / procedures, there is no difference. Have a look at .RUN and .COMPILE in the help index.

Benjamin

Subject: Re: .compile vs .run
Posted by [R.G. Stockwell](#) on Mon, 18 Apr 2005 18:30:02 GMT
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"m_schellens" <mschellens@gmail.com> wrote in message
news:1113803159.824679.58050@l41g2000cwc.googlegroups.com...

> I have the following file 't.pro':

```
>
> pro t1
> print,'t1'
> end
```

Hi Marc,
others have answered your question. I'd just mention that you can add a "main program" at the end of your procedure as follows:

```
pro t1
print,'t1'
end ; end of procedure
; main level code here
t1, 17
end ; end of main level code
```

If that is saved as your file t1.pro, it works as a procedure, but you can also execute the file.

```
IDL>.run t1  
17
```

The utility of this is that testing you can test the code nicely, and it serves as an example of how to use the code. I find it quite handy.

Cheers,
bob

Subject: Re: .compile vs .run
Posted by [m_schellens](#) on Tue, 19 Apr 2005 06:18:32 GMT
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Thanks everybody.
I never used this (or used it many years ago and then forgot about it
- don't remeber :-)
But well, seems to have its right.
marc
