Subject: Theoretical Programmers Wanted Posted by David Fanning on Wed, 08 Oct 2003 00:55:18 GMT

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Hi Folks,

Here is one for all you theoretical programmers out there.

I have a simple test program. Call it TEST1. Here it is.

```
PRO Test1 Event, event
  Widget Control, event.top, Get UValue=label
  FOR j=0,49 DO BEGIN
  Widget_Control, label, Set_Value=String(j,format='(I3.3)')
    Wait, 0.1
  ENDFOR
  Widget Control, event.top, /Destroy
END
PRO Test1
 tlb = Widget Base(Column=1, XOffset=200, YOffset=100)
 label = Widget Label(tlb, Value='000', XSize=100, /Align Center)
 button = Widget_Button(tlb, Value='Start Program')
 Widget Control, tlb, /Realize, Set UValue=label
 XManager, 'test1', tlb, /No_Block
END
```

When you run it, a graphical user interface appears, you click the "Start Program" button and the label counts up to 49. Perfect! Now you make a save file out of it:

```
IDL> .compile test1
IDL> Resolve All
IDL> Save, File='test1.sav', /Routines
```

Quit IDL and double click the save file. Still runs like a champ!

Now, here is another file, very similar to the first.

```
PRO Test2
 tlb = Widget Base(Column=1, XOffset=200, YOffset=100)
 label = Widget_Label(tlb, Value='000', XSize=100, /Align_Center)
 Widget Control, tlb, /Realize, Set UValue=label
 XManager, 'test2', tlb, /No_Block
 FOR i=0.49 DO BEGIN
   Widget_Control, label, Set_Value=String(j,format='(I3.3)')
   Wait. 0.1
 ENDFOR
```

```
Widget_Control, tlb, /Destroy END
```

When you run it, a graphical user interface appears and the label counts up to 49. Perfect! But now you make a save file out of this:

IDL> .compile test2
IDL> Resolve_All
IDL> Save, File='test2.sav', /Routines

When you quit IDL and double click the save file, you get the label appearing in the top-level base, but no count up on the label. It stays stuck at 000. :-(

Here's my theoretical question: Why?

Cheers.

David

--

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

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Subject: Re: Theoretical Programmers Wanted Posted by alt on Tue, 14 Oct 2003 06:05:05 GMT

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>

> Here's my theoretical question: Why?

>

This is a help fragment from XMANAGER topic about NO_BLOCK keyword:

Note - NO_BLOCK is ignored by IDL Runtime. If a main procedure uses XMANAGER with the NO_BLOCK keyword set, IDL Runtime defers subsequent processing of the commands following the XMANAGER call until the widget associated with the call to XMANAGER is destroyed.

I am just ran into the same situation some time ago.

Best regards,

Subject: Re: Theoretical Programmers Wanted Posted by justspam03 on Tue, 14 Oct 2003 15:00:45 GMT

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Yup - ran into the same problem myself some time ago. /just_reg is the option of choice, is it? :-)
Cheers
Oliver

Subject: Re: Theoretical Programmers Wanted Posted by David Fanning on Tue, 14 Oct 2003 15:50:38 GMT View Forum Message <> Reply to Message

Oliver Thilmann writes:

- > Yup ran into the same problem myself some time ago.
- > /just_reg is the option of choice, is it? :-)

As it happens, if I had just written the program the way I *thought* I had written the program, a great deal of confusion would have been avoided. :-(

There is still a question of how to write blocking/modal dialogs in run-time IDL (especially those NOT called from widget programs), but I'll leave it for a time when I feel less embarrassed about life in general. :-)

Cheers.

David

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