
Subject: Theoretical Programmers Wanted

Posted by [David Fanning](#) on Wed, 08 Oct 2003 00:55:18 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 j=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

--

David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155
