
Subject: Re: nonexclusive button group woes...

Posted by [promashkin](#) on Wed, 20 Sep 2000 07:00:00 GMT

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This is apparently an oversight in CW_FORM code. The program CW_FORM_BUILD uses commas to separate fields in the descriptor elements. Thus, a statement

```
desc[2] = '0, BUTTON, B1|B2|B3, LABEL_TOP=Nonexclusive:,  
SET_VALUE=[1,1,1], COLUMN, TAG=bg1'
```

causes SET_VALUE to be equal to string "[1" (which can not be converted to integer), and produces two unrecognized fields, "1" and "1]". So using commas to define the array of states of the buttons is not going to work. Besides that, the value does get passed to CW_BGROU all right. Setting SET_VALUE to a non-zero scalar value will successfully set the first checkbox.

In order to trick the CW_FORM, try the following:

```
desc[2] = '2, button, option1|option2|option3|option4, set_value=indgen(4)
```

and checkboxes will get set. Now, use your own creativity to come up with some meaningful expression that will define an array but will not use commas, and pass it into SET_VALUE, to set only those buttons you want. Or, better yet, write plain and simple widget code without using CW_FORM, which, as I'm looking at it for the second time ever, feels like an unsuccessful exercise in widget programming.

Cheers,
Pavel.

David Bowman wrote:

```
>  
> Hi all. I have a (hopefully) simple question about the CW_FORM routine:  
>  
> I'm creating a set of nonexclusive buttons, and I want to set the  
> default values all at once using the set_value keyword... The problem  
> is, how do I set multiple values? For example:  
>  
> IDL>d=['1,base,,column',  
> '0, button, ok, quit',  
> '2, button, option1|option2|option3|option4, set_value=1 0 0 1']  
> IDL>a=cw_form(desc,/column)  
>  
> How do I make, for example, option1 and option4 set by default? I've  
> tried set_value=1001, set_value=[1,0,0,1], set_value=1|0|0|1 and  
> various other combinations, but nothing seems to work... Any ideas?
```

>
> Thanks in advance.
>
> --
> =====
> David Bowman "Smash forehead on keyboard to continue."
> Laboratoire Tectonique
> Institut de Physique du Globe - Paris
> 4 Place Jussieu
> 75252 Paris Cedex 05
> France
