
Subject: Re: widget with check table ??

Posted by [J.D. Smith](#) on Tue, 25 Aug 1998 07:00:00 GMT

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Martin Vissers wrote:

```
>
> I'm trying to create a dialog in which you can select
> several options within a table.
>
> Can this be done with widget programming ???
> an example:
>
>   | AA | BB | CC |
> -----|
>  1 | x |   |   |
> -----|
>  2 |   |   | x |
> -----|
>  3 | x | x | x |
> -----|
>  4 |   |   |   |
> -----|
>  5 |   |   | x |
> -----|
>
> so the user can select (with an x or a radio button) which
> options will be processed.
>
> Someone there with a good idea ???
```

How about the following:

```
pro testaw_event,ev
  widget_control, ev.top, get_uvalue=barr,/NO_COPY
  wh=where(ev.id eq barr) & wh=wh[0]
  msg='Selected' & if ev.select eq 0 then msg='De-'+msg & msg=' '+msg
  print,'ROW: '+strtrim(wh/3+1,2)+' COLUMN: '+'(['A','B','C'])[wh mod 3]+msg
  widget_control, ev.top, set_uvalue=barr,/NO_COPY
end
```

```
pro testaw
  b=widget_base(/COLUMN,/BASE_ALIGN_LEFT)

  barr=lonarr(3,5)
  lab=widget_label(b,value=string(FORMAT='(3A5)','A','B','C'))
  for i=0,4 do begin
    base=widget_base(b,/ROW)
    lab=widget_label(base,value=string(i+1,FORMAT='(I1)'))
```

```
base=widget_base(base,/ROW,/NONEXCLUSIVE)
for j=0,2 do barr(j,i)=widget_button(base,value=")
endfor
widget_control, b,/REALIZE,set_uvalue=barr
XManager, 'testaw',b,/NO_BLOCK
end
```

Note that to get the column headings to line up we have to monkey with the string format, and so the placement will depend on the font and system used. In addition, to get buttons from row to row to line up, the row labels must occupy the same space (which is easy enough to enforce for a mono-spaced font). This is of course frustrating but I see no simple workaround. Likely a large amount of code which test widget size and employs [XY]OFFSET could accomplish this in a more portable way, but it would be ugly. This works well on my Linux IDL v5.1 with a mono-spaced font (10pt). To accomodate longer column headings you can use spaces in the button values.

JD

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J.D. Smith	*	WORK: (607) 255-5842
Cornell University Dept. of Astronomy	*	(607) 255-6263
304 Space Sciences Bldg.	*	FAX: (607) 255-5875
Ithaca, NY 14853	*	
