Subject: Re: Defining structuretype during runtime?? QUESTION!! (no reply)
Posted by sjt on Fri, 08 Sep 1995 07:00:00 GMT
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Christian Oehreneder (PHOTO-Dissertand) (coehrene) wrote:
: MY PROBLEM AGAIN:

: >Schalom!
: >
: >I want to store variables of different type together in structure. The
: >type of each structure elemet is defined DURING RUNTIME.
: >How can I create a structure, whos tag types and tag number are defined
: >at runtime?
: >
: >Thanks in advance
: >   Chris
: >

One way is to use handles. I do this for a structure that has to contain
a variable length array of structures; it's not pretty but it works:

```
e.g.
pdefs= {graff_define, $
 .
 .
 nsets:0, $
 data: handle_create(), $
 .
 .
}

dtmpl= {graff_data, $
 xydata: handle_create(), $
 .
 .
}

handle_value, dtmpl.xydata, fltarr(2,2), /set
handle_value, pdefs.data, dtmpl, /set, no_copy
```

When you want to use the data structure, you need to use handle_value to
recover it and then replace it after use (no_copy is a good deal quicker
if you are using the structures a lot and certainly more memory efficient)

--
```
 +----------------------+--------------------------------- --+---------+
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```

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