Subject: Re: Data Structure in IDL
Posted by Antonio Santiago on Mon, 02 May 2005 07:32:10 GMT

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chintanraval@yahoo.com wrote:
> First of all Thank You for quick reply
>
> But my question is that suppose i have defined a structure and can i
> take a pointer of that structure in structure's data? if yes then how
> i can alloc the memory to that pointer....
>
See PTR_NEW(), PTRARR.

a = your_struct

p = PTR_NEW(a)   ;; Creates a copy of your_struct into heap memory and
mantains a reference to it in 'p'.

p = PTR_NEW(a, /NO_COPY) ;;Creates a copy of a into heap memory and
undefines 'a'.

p = PTR_NEW(CREATE_STRUCT(NAME=your_named_struct)) ;;Directly reserve
heap memory space for your struct and 'p' is a reference to it.

If one field of your structure is a pointer references:

s = {name,
    f1: 'hello', $
    f2: PTR_NEW() $
    }

you can chain elements.

p1 = PTR_NEW(CREATE_STRUCT(NAME=name))
p2 = PTR_NEW(CREATE_STRUCT(NAME=name))

(*p1).f2 = p2

> and here one more thing is that i m not using the object oriented
> fundamentals over here...
>
OO is very powerfull and (I think) easy to use existing objects like
lists or hashes than create complex structures. Instead create an
structure by yourself to mantain a lot of pointer references you can use
(for example) a simple linkeslist to maintain a list of nodes on wich
every node has a reference to an structure/object/anything.

> Regards
> Chintan Raval
> (There are 10 kinds of people in this world .... :) those who
> understand binary and those who don't)
>

Bye,
Antonio.