## Subject: Re: Defining Integer Field in a Structure Posted by John-David T. Smith on Thu, 01 Nov 2001 21:24:12 GMT View Forum Message <> Reply to Message

## Brian Bell wrote:

>

- > Is there a way to define a field within a structure whose type is
- > integer? In my case, I want the field to be any integer from 0 to 4.
- > I know you can assign an actual integer to the field, but I don't want
- > to do this because I want the field value to change within certain
- > procedures and to return that value to the procedures calling it. I
- > would appreciate any help you might be able to offer.

>

## This is illegal:

```
IDL> a={0:"this", 1:"is",2:"a",3:"funny",4:"test"}
```

so the short answer is no. However, if you just want 4 numbered "slots", try an array:

```
IDL> a={vals:['this','is','a','funny','test']}
IDL> print,a.vals[1]
is
```

if you'd like the types of each slot to be different, try at a pointer array. If you'd like the number of "slots" to be variable, try a pointer to a pointer array.

JD