
Subject: Re: functions as arguments ?

Posted by [Pavel Romashkin](#) on Wed, 23 Feb 2000 08:00:00 GMT

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I've looked at David's example. I just made up something similar. I tried to keep the syntax closer to what Udo wanted. I see no obstacle in IDL to call multiple embedded procedures or functions. However, after several levels are embedded, it is really hard to understand what the code is doing, in my opinion.

```
.*****  
,  
pro test  
  
argument = 2.0  
forward_function func1, func2  
    proc, func1(argument)  
    proc, func2(argument)  
  
end  
  
.*****  
,  
pro proc, input  
    ; Perform action expected from PROC  
    print, input * 10  
end  
  
.*****  
,  
function func1, argument  
    return, argument + 1.  
end  
  
.*****  
,  
function func2, argument  
    return, argument + 2.  
end  
  
.*****  
,
```

Udo Grabowski wrote:

```
>  
> Hello,  
>  
> I'm looking for a way to do something like the Fortran construct  
>  
> program test  
>   call proc (func1)  
>   call proc (func2)
```

```
> end
>     subroutine proc(func)
>         call func
>     end
>
```

Subject: Re: functions as arguments ?

Posted by [davidf](#) on Wed, 23 Feb 2000 08:00:00 GMT

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Udo Grabowski (udo.grabowski@imk.fzk.de) writes:

```
> I'm looking for a way to do something like the Fortran construct
>
> program test
>     call proc (func1)
>     call proc (func2)
> end
> subroutine proc(func)
>     call func
> end
>
> where func1,2 are given external functions defined somewhere.
> Functional arguments are seemingly not possible in IDL, but I found
> a preliminary and ugly solution with a wrapper class:
```

```
PRO JUNK
```

```
    Print, 'In JUNK subroutine'
END
```

```
PRO JUNKER
```

```
    Print, 'In JUNKER subroutine'
END
```

```
PRO TEST, func1, func2
```

```
    Call_Procedure, func1
    Call_Procedure, func2
END
```

```
IDL> TEST, 'JUNK', 'JUNKER'
```

Cheers,

David

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