
Subject: Re: Linking two or more IDL programs
Posted by [k_ghreep](#) on Sun, 17 Jun 2012 17:22:12 GMT
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On Sunday, June 17, 2012 1:52:36 AM UTC+2, gutewaqi wrote:

> Dear All

>

> I have four different programs written in IDL, each program gives me one or two parameters. I want to use the out put of this programs, as an input for one single equation, in the fifth one (that i am writing). I am facing difficulty in linking this programs into one last program. Can you help please?

>

> Cheers

> Guta

It is easy to do this like that

first, write a main program say XC to add two numbers a and b

a= 3. and b = 6.

the first command line `result_adda=adda(a,b)`

call a subroutine namely adda to calculate a+b which is written in a separate file as follows

```
FUNCTION adda, a,b ; in the first line write FUNCTION adda which is
; written in the first line command follow by a comma
; and the variables names separated by comma a, b
; please note that the variables a and b are the same
; characters in the first line command in the main
; program
```

```
d= a+b ; sum a and b and put the result in a new
; variable namely d
```

```
return, {d:d} ; before ending the subroutine please set the variable d
; in the following command as follows
```

```
END ; finally end subroutine
```

the second command line `result_mult=mult(a,b)`

call a subroutine namely mult to calculate a*b which is also written in a separate file as follows

```
FUNCTION mult, a,b ; in the first line write FUNCTION mult follow by a
; comma and the variables names separated by comma a, b
; please note that the variables a and b are the same
```

; characters in the second line command in the main
; program

d= a*b ; multipli a and b and put the result in a new
; variable namely d with out problem

return, {d:d} ; before ending the subroutine please set the variable d
; in the following command as follows

END ; finally write end subroutine

if you run the following main program

????????????????????

pro xc

a=3.

b=6.

result_adda=adda(a,b) ; addation a+b

result_mult=mult(a,b) ; multiplications a*b

print, a, b, result_adda.d

print, a, b, result_mult.d

end

????????????????

you will get the following results

3.00000 6.00000 9.00000

3.00000 6.00000 18.0000

finally you can write the both subroutines in one as follows

FUNCTION all, a,b

d1= a+b

d2=a*b

return, {d:d, d1:d1}

END

please note that the variables d and d1 are the sum and multiply a and b respectively.

and the main program as follows

pro XC

a=3.

b=6.

result=all(a,b)

print, a, b, result.d, result.d1

end

you will get the following results

3.00000 6.00000 9.00000 18.0000

My Best Wishes
