
Subject: Call External Query

Posted by [DMottershead](#) on Wed, 15 Apr 1998 07:00:00 GMT

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I am having problems running the call external example shown in the IDL Users Guide (18-27). What I have is a function called MY_AVG shown below:

```
REAL*4 FUNCTION MY_AVG(V, N)
REAL*4 V(*)
MY_AVG = 0.0
DO I=1,N
    MY_AVG = MY_AVG + V(I)
END DO
MY_AVG = MY_AVG / N
RETURN
END
```

I follow the commands on 18-28 VMS DCL commands:

```
$ FORTRAN MY_AVG
$ LINK MY_AVG, SYS$OUTPUT/OPT/SHARE
UNIVERSAL = MY_AVG
$ DEFINE MY_AVG_EXE dduu:[xxx]MY_AVG.EXE
```

Then I call IDL using the command

```
IDL> call_external(/f_value, value = [0B, 1B], 'MY_AVG_EXE', $
IDL> 'MY_AVG', findgen(10), 10L)
```

At this stage I get a message saying:

```
%LIB-E, key not found in tree
% Call_EXTERNAL: Error in called routine.
% Execution halted at: $MAIN$
```

Now I know that looking a tree might not be the most obvious place a key might reside but really!!

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