
Subject: Re: Which like command for IDL?

Posted by [davidf](#) on Fri, 05 Jan 2001 02:55:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

Richard G. French (rfrench@wellesley.edu) writes:

- > That does the job for a routine you've already compiled, but what if you
- > want to find out BEFORE you compile it which display.pro you would end
- > up running?

Can't be done. Heisenberg uncertainty principle applies.
You can't possibly know WHICH routine you are using until
the wave function collapses. Or, was that an electron? Humm.
Can't remember ... :-(

- > Or even better (JD can probably do this with a recursive
- > one-line routine), how about a procedure that goes through your full
- > path and finds all of the duplicate filenames?

I'm shocked that you think JD can write better recursive
functions than me. But I'm busy. I'll leave it to him. :-)

- > I am sure that I have about six different routines
- > called CIRCLE.PRO in libraries that I have gotten from people, and
- > having
- > a routine that figured this out in advance would be a nice thing.

How about this WHICH program. *Very* quick and dirty.
I'll leave it to others to make perfect. (I can already
think of a couple of ways it can be greatly improved.)
But this finds the *first* program with the given name
of all the names I tested it on. Of course, it can
only find library routines. :-)

```
IDL> Which, "arrow"  
D:\RSI\IDL54\lib\arrow.pro
```

```
IDL> Which, "congrid", /Func  
D:\RSI\IDL54\lib\congrid.pro
```

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

PRO WHICH, routineName, Funct=funct

Catch, theError

IF theError NE 0 THEN BEGIN

 Catch, /Cancel

 answer = Dialog_Message("Can't find: " + StrUpCase(routineName) + \$
 '. Is this a function?', /Question)

 IF StrUpCase(answer) EQ 'YES' THEN BEGIN

 Catch, theError

 IF theError NE 0 THEN BEGIN

 Catch, /Cancel

 ok = Dialog_Message("Sorry. Can't find: " + \$
 StrUpCase(routineName) + '. Returning')

 RETURN

 ENDIF

 Which, routineName, /Funct

 RETURN

ENDIF ELSE BEGIN

 ok = Dialog_Message("Sorry. Can't find: " + \$
 StrUpCase(routineName) + '. Returning')

 RETURN

ENDELSE

ENDIF

Resolve_Routine, routineName, Is_Function=Keyword_Set(funct)

Help, /Source, Output=text

array = StrPos(STRUPCASE(text), STRUPCASE(routineName) + " ", -1)

index = Where(array NE -1, count)

IF count GT 0 THEN Print, text[index[0]] ELSE Print, 'Undetermined'

END
