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Subject: Re: For..Do loop. IDL Beginner  
Posted by [Nikola](#) on Tue, 18 Oct 2016 09:39:16 GMT  
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On Tuesday, October 18, 2016 at 12:46:43 AM UTC+1, Cheryl wrote:

> Hi,  
>  
> I am trying to plot the following using For.. Do loop.  
>  
> i. x, y2 ; psym = -4  
> ii. x, y3 ; psym = -5  
> iii. x, y4; psym = -6  
>  
> Can anyone help? Thanks

From your question is not very clear what you want to do and why. I guess your problem is that y's are different functions with different number of elements so that you have to deal with different variable names in a loop.

Here is a quick solution that may help you to move forward. (Note that the EXECUTE command should be used with extra caution - read IDL help on it!.)

```
syms = [-4, -5, -6]
for i = 0, N_ELEMENTS(syms)-1 DO BEGIN
  IF i EQ 0 THEN cmd = 'plot' ELSE cmd = 'oplot'
  log = EXECUTE(cmd + ', x, y'+strcompress(string(i), /rem)+'', psym = syms[i])
ENDFOR
```