

```
1: Script started on Tue Mar 6 21:06:00 2012
2: bash-3.2$ cat -n no\007bigger.pl
3:      1  % $Id: nobigger.pl,v 1.3 2011-05-19 19:53:59-07 - - $ */
4:      2
5:      3  %
6:      4  % Sample of the use of tracing calls.
7:      5  % Find the biggest number in a list.
8:      6  %
9:      7
10:     8  mynumber( 3 ).
11:     9  mynumber( 6 ).
12:    10  mynumber( 9 ).
13:    11
14:    12  biggest( Number ) :- mynumber( Number ), nobigger( Number ).
15:    13
16:    14  nobigger( Number ) :- mynumber( Other ), Other > Number, !, fail.
17:    15
18:    16  nobigger( _ ).
19:    17
20:    18  traceon :-
21:    19      trace( mynumber ),
22:    20      trace( biggest ),
23:    21      trace( nobigger ).
24:    22
25:    23  % TEST: biggest(N)..
26: bash-3.2$ gprolog
27: GNU Prolog 1.3.1
28: By Daniel Diaz
29: Copyright (C) 1999-2009 Daniel Diaz
30: | ?- [nobigger].
31: compiling /afs/cats.ucsc.edu/courses/cmpls112-wm/Languages/prolog/Examples/nobigger.pl for byte code...
32: /afs/cats.ucsc.edu/courses/cmpls112-wm/Languages/prolog/Examples/nobigger.pl compiled, 23 lines read - 1415 bytes written, 10 ms
33:
34: (1 ms) yes
35: | ?- biggest(N).
36:
37: N = 9
38:
39: yes
40: | ?- nobigger(3).
41:
42: no
43: | ?-
44:
45: bash-3.2$ exit
46:
47: Script done on Tue Mar 6 21:07:44 2012
```