

# Three Programming Language KB Demo

Welcome to SWI-Prolog (Multi-threaded, 64 bits, Version 7.2.3)

Copyright (c) 1990-2015 University of Amsterdam, VU Amsterdam

SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software, and you are welcome to redistribute it under certain conditions.

Please visit <http://www.swi-prolog.org> for details.

For help, use `?- help(Topic).` or `?- apropos(Word).`

1 `?- language(pascal).`  
`false.`

2 `?- language(prolog).`  
`true.`

3 `?- landuage(X).`  
Correct to: `"language(X)"`? yes  
`X = smalltalk .`

4 `?- language(L).`  
`L = smalltalk`  
`L = lisp`  
`L = prolog.`

5 `?- language(Language),write(Language),nl,fail.`  
`smalltalk`  
`lisp`  
`prolog`  
`false.`

6 `?- essence(lisp,DT,CF).`  
`DT = lists,`  
`CF = 'recursive functions'.`

7 `?- essence(prolog,DT,_).`  
`DT = relations.`

8 ?- essence(prolog,\_,CF).  
CF = 'logical inferencing'.

9 ?- essence(L,objects,\_).  
L = smalltalk.

10 ?- history(lisp,I,\_).  
I = inventor('John McCarthy').

11 ?- history(lisp,inventor(Name),\_).  
Name = 'John McCarthy'.

12 ?- history(\_,inventor(N),\_),write(N),nl,fail.  
Alan Kay  
John McCarthy  
Alan Colmeraur  
false.

13 ?- halt.