

Welcome to SWI-Prolog (threaded, 64 bits, version 9.0.0)  
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For online help and background, visit <https://www.swi-prolog.org>  
For built-in help, use ?- help(Topic). or ?- apropos(Word).

```
?-
% d:/CS/Western-CS/CS2209/assignment.pl compiled 0.02 sec, 72 clauses
?- parent(john1,estelle).
true.

?- parent(john1, mary).
false.

?- grandparent(john1, mary).
true .

?- ancestor(ida, jay).
true .

?- uncle(rob, mary).
true .

?- mother_in_law(ida, estelle).
true .

?- a_pair_of_brother(john, jay).
false.

?- a_pair_of_brother(john2, jay).
true .

?-
|   married(estelle, george).
true .

?- ■
```

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?-  
% d:/CS/Western-CS/CS2209/assignment.pl compiled 0.00 sec, 72 clauses  
?- city(Z), airport(Z,X), airport(Z,Y), ww2hero(X), ww2battle(Y).  
Z = chicago,  
X = ohare,  
Y = midway

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?-  
% d:/CS/Western-CS/CS2209/assignment.pl compiled 0.00 sec, 72 clauses  
?- last1(c,[a,b,c]).  
**true**.

?- adjacent(d, f, [a, b, c, d, f, g]).  
Correct to: "adjacent1(d,f,[a,b,c,d,f,g])"? yes  
**true**.

?- palindrome([1,2,5,2,1]).  
**true**.

?- █

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```
?-  
% d:/CS/Western-CS/CS2209/assignment.pl compiled 0.00 sec, 72 clauses  
?- fibo(2,1).  
true.  
  
?- fibo(8,X).  
X = 21.  
  
?- fibo(13,X).  
X = 233.  
  
?- ■
```

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`?-`

`% d:/CS/Western-CS/CS2209/assignment.pl compiled 0.00 sec, 72 clauses`

`?- sum([1,2,3],X).`

`X = 6.`

`?- average([1,2,3],X).`

`X = 2.`

`?- min([1,2,3],X).`

`X = 1.`

`?- max([1,2,3],X).`

`X = 3`

Unknown action: S (h for help)

Action?