

```

Last login: Tue Nov  7 01:04:08 on ttys000
[ISHITAs-MacBook-Air:~ ishitaverma$ cd Desktop/
[ISHITAs-MacBook-Air:Desktop ishitaverma$ cd prolog
[ISHITAs-MacBook-Air:prolog ishitaverma$ gprolog
GNU Prolog 1.4.4 (64 bits)
Compiled Sep 26 2016, 00:06:17 with clang
By Daniel Diaz
Copyright (C) 1999-2013 Daniel Diaz
[| ?- [prologAssignment].
compiling /Users/ishitaverma/Desktop/prolog/prologAssignment.pl for byte code...
/Users/ishitaverma/Desktop/prolog/prologAssignment.pl:62: warning: singleton variables [Y] for final/2
/Users/ishitaverma/Desktop/prolog/prologAssignment.pl compiled, 71 lines read - 6785 bytes written, 9 ms
error: /Users/ishitaverma/Desktop/prolog/prologAssignment.pl:32: native code procedure max_list/2 cannot be redefined (ignored)

(2 ms) yes
| ?- mother(alice,bob).

true ?
[
yes
[| ?- mother(ray, bob).

no
[| ?- mother(susan, charlie).

yes
[| ?- sister(rose, bob).

true ?
[
yes
[| ?- sister(tom, charlie).

no
[| ?- sister(caroline, bob).

true ?
[
yes
[| ?- max_list([1,2,56,78,45,12], M).

M = 78
[
yes
| ?- max_list([22,33,44,11,23,678,900,25], M).

M = 900
[
yes

```

```

Last login: Tue Nov  7 12:14:27 on console
[ISHITAS-MacBook-Air:~ ishitaverma$ cd Desktop/
[ISHITAS-MacBook-Air:Desktop ishitaverma$ cd prolog
[ISHITAS-MacBook-Air:prolog ishitaverma$ gprolog
GNU Prolog 1.4.4 (64 bits)
Compiled Sep 26 2016, 00:06:17 with clang
By Daniel Diaz
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[| ?- [prologAssignment].
compiling /Users/ishitaverma/Desktop/prolog/prologAssignment.pl for byte code...
/Users/ishitaverma/Desktop/prolog/prologAssignment.pl:62: warning: singleton variables [Y] for final/2
/Users/ishitaverma/Desktop/prolog/prologAssignment.pl compiled, 71 lines read - 6785 bytes written, 14 ms
error: /Users/ishitaverma/Desktop/prolog/prologAssignment.pl:32: native code procedure max_list/2 cannot be redefined (ignored)

```

```

(1 ms) yes
| ?- intersection([1,2],[3,4,5],L).

```

```

L = []
[
yes
| ?- intersection([88,99,67],[100.567],L).

```

```

L = []
[
yes
| ?- union([1,2,3,4],[2,3,77,89],L).

```

```

L = [1,4,2,3,77,89]
[
yes
| ?- union([1,2],[2,3,900,234],L).

```

```

L = [1,2,3,900,234]
[
yes
| ?- union([8,9,7],[2,3],L).

```

```

L = [8,9,7,2,3]
[
yes
| ?- final(F,[1,2,3,7,89]).

```

```

F = 89 ?
[
yes
| ?- final(F,[23,43,67,80,456]).

```

```

F = 456 ?
[
yes
| ?- quicksort([7,9,1,3,5,6,2,4,8],L).

```

```

L = [1,2,3,4,5,6,7,8,9] ?
[
yes
| ?- quicksort([99,67,11,78,96,34],L).

```

```

L = [11,34,67,78,96,99] ?
[
yes
| ?-

```