

```
luisestevez@Luiss-MacBook-Air Assignments % swipl
Welcome to SWI-Prolog (threaded, 64 bits, version 8.3.6)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free
software.
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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).
```

```
?- module(demo).
Warning: demo is not a current module (created)
true.
```

```
demo: ?- consult('shapes_world.pro').
true.
```

```
demo: ?- listing(rectangles).
rectangles :-
    rectangle(N, _, _, _),
    write(N),
    nl,
    fail.
rectangles.
```

```
true.
```

```
demo: ?- rectangles.
penelope
maya
tobi
true.
```

```
demo: ?- listing(ellipses).
ellipses :-
    ellipse(N, _, _, _),
    write(N),
    nl,
    fail.
ellipses.
```

```
true.
```

```
demo: ?- ellipses.
steve
ron
mike
```

**true.**

```
demo: ?- listing(shapes).
shapes :-
    rectangles,
    ellipses.
```

**true.**

```
demo: ?- shapes.
penelope
maya
tobi
steve
ron
mike
```

**true.**

```
demo: ?- red(ShapeName).
ShapeName = steve ;
ShapeName = maya.
```

```
demo: ?- green(ShapeName).
ShapeName = ron ;
ShapeName = tobi.
```

```
demo: ?- large(ShapeName), write(ShapeName), nl, fail.
maya
```

**false.**

```
demo: ?- small(ShapeName), write(ShapeName), nl, fail.
steve
```

```
ron
mike
penelope
tobi
```

**false.**

```
demo: ?- area(ron, A).
A = 43.96 .
```

```
demo: ?- area(maya, A).
A = 160 .
```

```
demo: ?- halt.
```