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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), consult('microworld.pro').
Warning: demo is not a current module (created)
true.
```

```
*- LIST THE PART OF THE KB PERTAINING TO THE dogs RELATION.
demo: ?- listing(dogs).
user:dogs :-
    dog(N, _, _, _, _),
    write(N),
    nl,
    fail.
user:dogs.

true.
```

```
*- LIST THE NAMES OF ALL DOGS.
demo: ?- dogs.
marley
clifford
jojo
true.
```

```
*- LIST THE PART OF THE KB PERTAINING TO THE cats RELATION.
demo: ?- listing(cats).
user:cats :-
    cat(N, _, _, _, _),
    write(N),
    nl,
    fail.
user:cats.

true.
```

```
*- LIST THE NAMES OF ALL CATS.
demo: ?- cats.
bean
garfield
milly
true.
```

*- LIST THE PART OF THE KB PERTAINING TO pets RELATION.

demo: ?- listing(pets).

user:pets :-

dogs,

cats.

user:pets.

true.

*- LIST THE NAMES OF ALL THE PETS.

demo: ?- pets.

marley

clifford

jojo

bean

garfield

milly

true .

*- FIND A MALE PET.

demo: ?- male(Name).

Name = marley ;

Name = clifford ;

Name = garfield.

*- FIND A FEMALE PET.

demo: ?- female(Name).

Name = jojo ;

Name = bean ;

Name = milly.

*- LIST THE NAMES OF ALL THE OLD PETS.

demo: ?- old(Name), write(Name), nl, fail.

clifford

jojo

bean

garfield

false.

*- LIST THE NAMES OF ALL YOUNG PETS.

demo: ?- young(Name), write(Name), nl, fail.

marley

milly

false.

*- IS garfield HEAVY?

demo: ?- heavy(garfield).

true.

```
*- IS marley HEAVY?  
demo:  ?- heavy(marley).  
false.
```

```
*- TERMINATE EXECUTION.  
demo:  ?- halt.
```