

### ***Family Relationships Example:***

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person ( X ) :- mother_of ( Y, X ).]
person ( Y ) :- mother_of ( Y, X ).]   those are rules
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mother_of ( mary, carmen ).      ]
mother_of ( mary, alexander ).   |   those are facts
mother_of ( mary, andre ).       ]
```

Consider the following queries:

1. ?- person ( carmen ).
2. ?- person ( alexander ).
3. ?- person ( andre ).
4. ?- person ( mary ).
5. ?- person ( herb ).

Few more facts:

```
female ( carmen ).
male ( alexander ).
male ( andre ).
parent ( carmen, herb, mary )
parent ( alexander, herb, mary ).
parent ( andre, herb, mary ).
sister ( X, Y ) :- female ( X ), parent ( X, F, M ), parent ( Y, F, M ).
```

Consider:

6. ?- sister ( carmen, alexander ).
7. ?- sister ( ( carmen, mary ).
8. ?- sister ( carmen, carmen ).