database.pl[+] Sida 1

```
% These are all facts.
% Def: X's properties.
beautiful(nisse).
beautiful(peter).
beautiful(ulrika).
kind(bosse).
rich(bettan).
rich(nisse).
strong(bettan).
strong(bosse).
strong(peter).
man(bosse).
man(peter).
man(nisse).
woman(ulrika).
woman(bettan).
% like is mostly independent,
% except for the facts above.
% Definition: X does like Y.
like(X,Y) :-
    man(X)
    woman(Y),
    beautiful(Y).
like(urlika,X) :-
    man(X),
    rich(X),
    kind(X),
    like(X,ulrika).
like(ulrika,X) :-
    man(X),
    beautiful(X),
    strong(X),
    like(X,ulrika).
like(nisse,X)
    woman(X),
    like(X, nisse).
% happy depends on like, so
% it needs to be put below.
% Definition: X is happy!!!
happy(X) :-
    man(X),
    like(X,Y),
    woman(Y),
    like(Y,X).
happy(X)
    woman(X),
    like(X,Y),
    man(Y),
    like(Y,X).
% -----EXAMPLE QUERY-----
 Who is happy?
% ?- happy(X).
% X = peter ? ;
% X = ulrika ? ;
% no
% Who likes who?
% ?- like(X, Y).
% X = bosse,
% Y = ulrika ? ;
```

database.pl[+]
Sida 2