```prolog
male(mayaram).
male(naresh).
male(tarun).
male(rahul).
male(yash).
male(ryan).

female(sweety).
female(bharti).
female(chetna).

parent_of(mayaram, naresh).
parent_of(mayaram, tarun).
parent_of(mayaram, rahul).
parent_of(mayaram, sweety).
parent_of(mayaram, bharti).
parent_of(mayaram, chetna).
parent_of(naresh, yash).
parent_of(naresh, ryan).
grandfather_of(mayaram, yash).
grandfather_of(mayaram, ryan).
siblings(X, Y) :-
    parent_of(Parent, X),
    parent_of(Parent, Y),
    X \= Y.
```

```
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?-
% c:/Users/Admin/Documents/Prolog/ai-exp-prolog.pl compiled 0.00 sec, 20 clauses
?- parent_of(X,Y).
X = mayaram,
Y = naresh ;
X = mayaram,
Y = tarun ;
X = mayaram,
Y = rahul ;
X = mayaram,
Y = sweety ;
X = mayaram,
Y = bharti ;
X = mayaram,
Y = chetna ;
X = naresh,
Y = yash ;
X = naresh,
Y = ryan.

?- grandfather_of(mayaram,Grandchild).
Grandchild = yash ;
Grandchild = ryan.

?- siblings(X,Y).
X = naresh,
Y = tarun ;
X = naresh,
Y = rahul ;
X = naresh,
Y = sweety ;
X = naresh,
Y = bharti ;
X = naresh,
Y = chetna ;
```
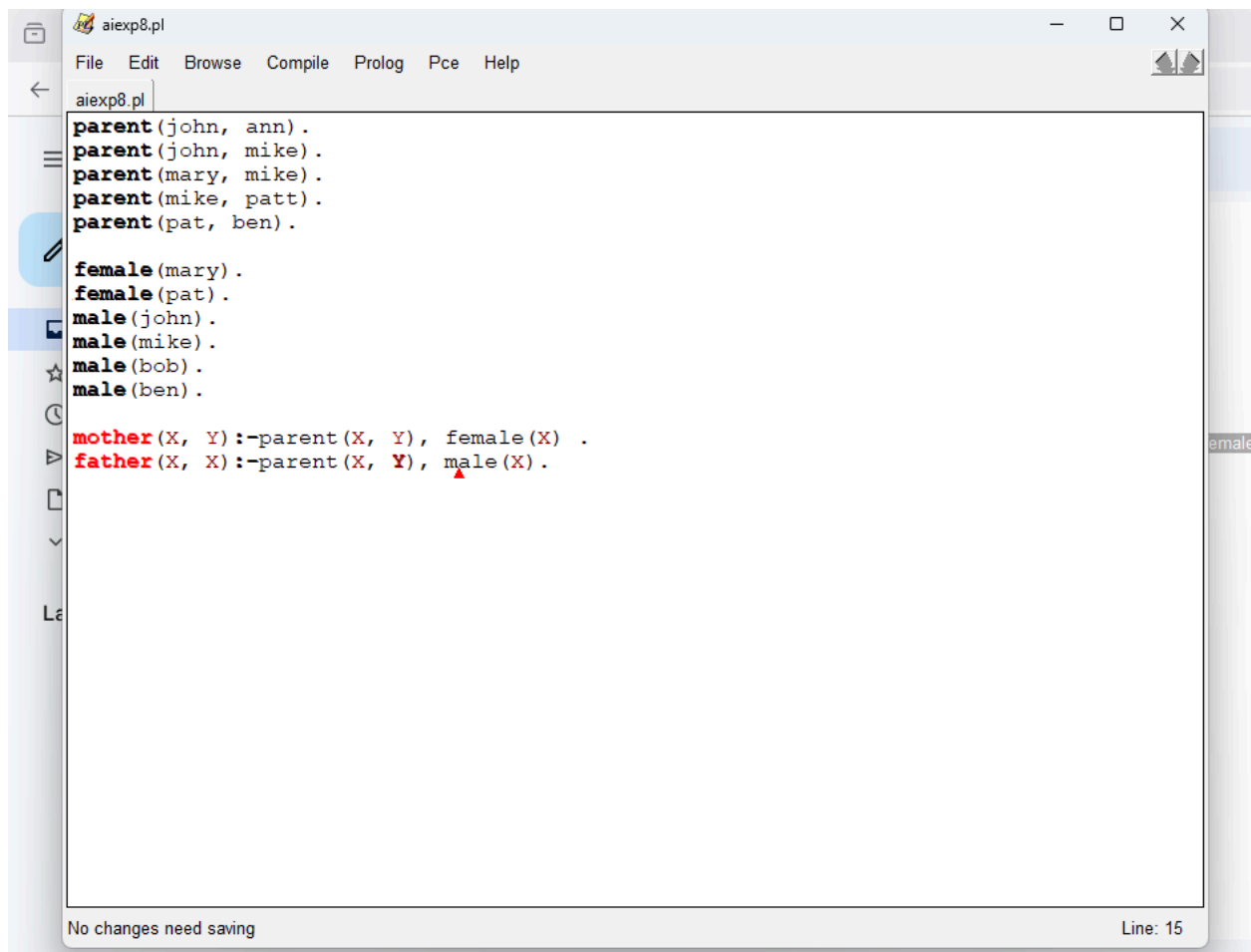
```prolog
parent(john, ann).
parent(john, mike).
parent(mary, mike).
parent(mike, patt).
parent(pat, ben).

female(mary).
female(pat).
male(john).
male(mike).
male(bob).
male(ben).

mother(X, Y):-parent(X, Y), female(X) .
father(X, X):-parent(X, Y), male(X).
```

File   Edit   Settings   Run   Debug   Help

```
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?-
% c:/Users/prexam301pc12/Desktop/C31/abc.pl compiled 0.00 sec, 15 clauses
?- female(X).
X = mary ,

?- mother(X, mike).
X = mary.

?- mother(pat, Y).
Y = ben.

?- father(X, Y).
X = john,
Y = ann ;
X = john,
Y = mike ;
X = mike,
Y = patt ;
X = mike,
Y = bob ;
false.

?- ▊
```