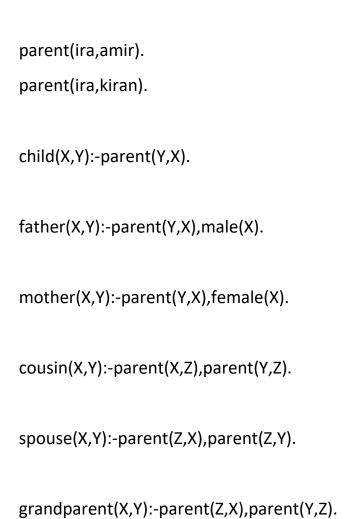
Name: Nupur Suresh Shinde. Class: TY-IT-A **Roll No: 54** Batch No: B2 PRN No: 12010610 **Lab No: 04 Problem Statement: Implement a Small Expert System in Prolog** Code: male(saif). male(sharukh). male(akshay). male(amir). female(kareena). female(gauri). female(twinkle). female(kiran). female(sharmila). parent(sara,saif). parent(sara,kareena). parent(taimur,saif). parent(taimur,kareena). parent(saif,sharmila). parent(aryan,sharukh). parent(aryan,gauri). parent(tara,akshay). parent(tara,twinkle).



## Output:

```
% c:/Users/nupur/Documents/Prolog/famtmprol.pl compiled 0.00 sec, 26 clauses
?- child(amir,X).
X = ira.
?- father(taimur, X).
false.
?- father(X,taimur).
X = saif ,
?- father(saif, X).
X = sara ;
X = taimur.
?- cousin(sara,X).
X = sara ;
X = taimur ;
X = sara ;
X = taimur.
?- spouse(X,kareena).
X = saif .
?- grandparent(X,sara).
X = sharmila ,
?- mother(X, tara).
X = twinkle.
?- mother(gauri, X).
X = aryan.
?- spouse(sharukh, X).
X = sharukh ;
X = gauri.
?- child(amir, X).
X = ira.
?- spouse(X,twinkle).
X = akshay ,
?- child(kiran, X).
X = ira.
```