EXPERIMENT 21

Prolog program for implementing family tree

female(pammi).

female(lizza).

female(patty).

female(anny).

male(jimmy).

male(bobby).

male(tomy).

male(pitter).

parent(pammi,bobby).

parent(tomy,bobby).

parent(tomy,lizza).

parent(bobby,anny).

parent(bobby,patty).

parent(patty,jimmy).

parent(bobby,pitter).

parent(pitter,jimmy).

mother(X,Y):- parent(X,Y),female(X).

father(X,Y):- parent(X,Y),male(X).

haschild(X):- parent(X,\_).

sister(X,Y):- parent(Z,X),parent(Z,Y),female(X),X\==Y.

brother(X,Y):-parent(Z,X),parent(Z,Y),male(X),X\==Y.

OUTPUT

