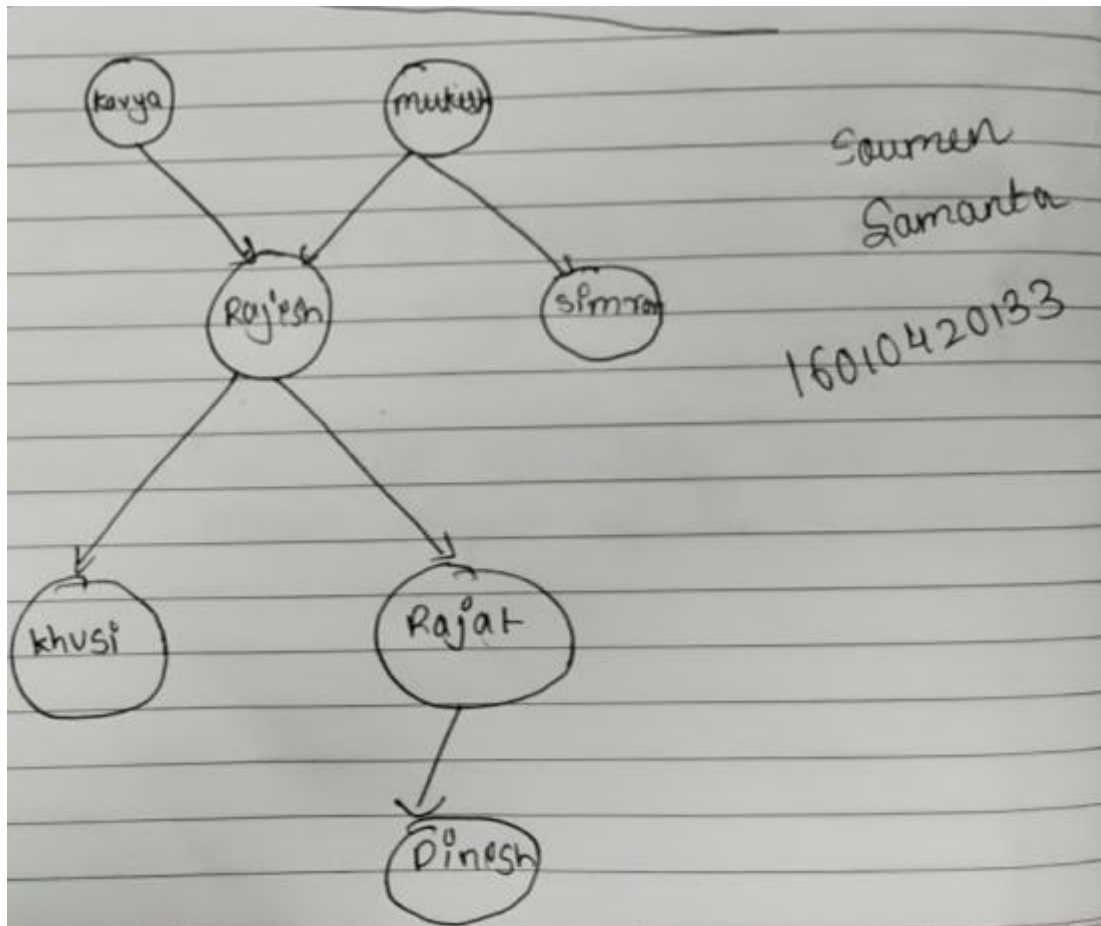


Soumen samanta 16010420133

Batch 4

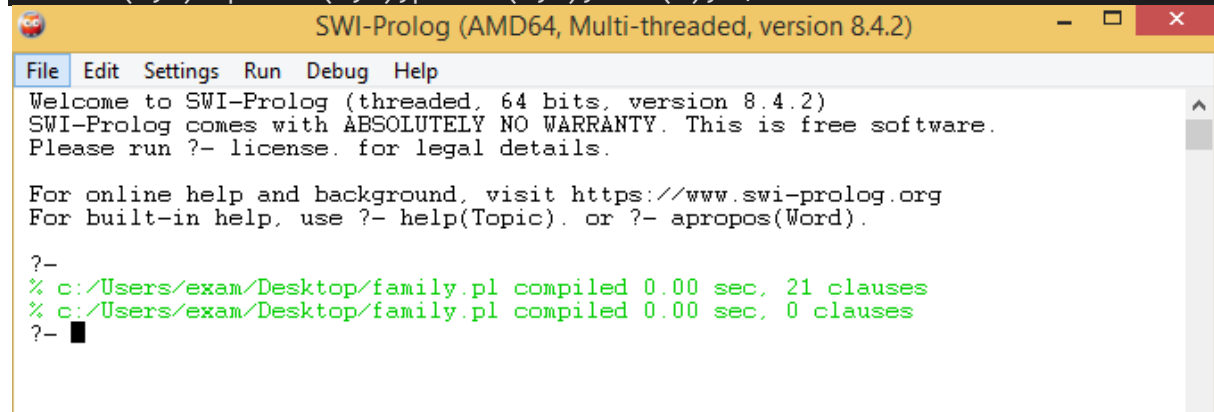
Exp 5

Family tree



```
female(kavya).  
female(simran).  
female(rajat).  
female(khushi).  
male(dinesh).  
male(rajesh).  
male(mukesh).  
male(rajat).  
parent(kavya,rajesh).  
parent(mukesh,rajesh).  
parent(mukesh,simran).
```

```
parent(rajesh,khushi).
parent(rajesh,rajat).
parent(rajat,dinesh).
parent(rajesh,rajat).
parent(rajat,dinesh).
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.
```



```
SWI-Prolog (AMD64, Multi-threaded, version 8.4.2)
```

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?-
% c:/Users/exam/Desktop/family.pl compiled 0.00 sec, 21 clauses
% c:/Users/exam/Desktop/family.pl compiled 0.00 sec, 0 clauses
?- █

```
?- mother(rajat,X).
X = dinesh █
```