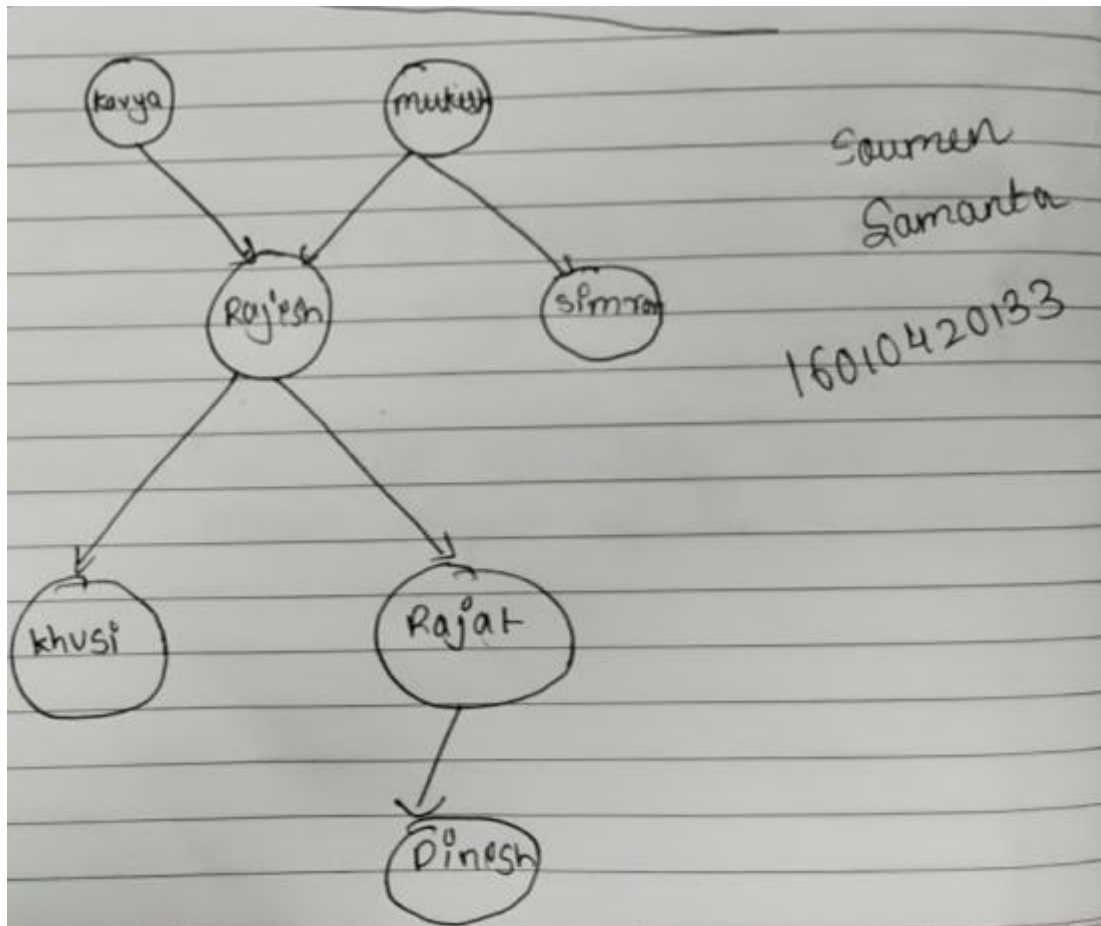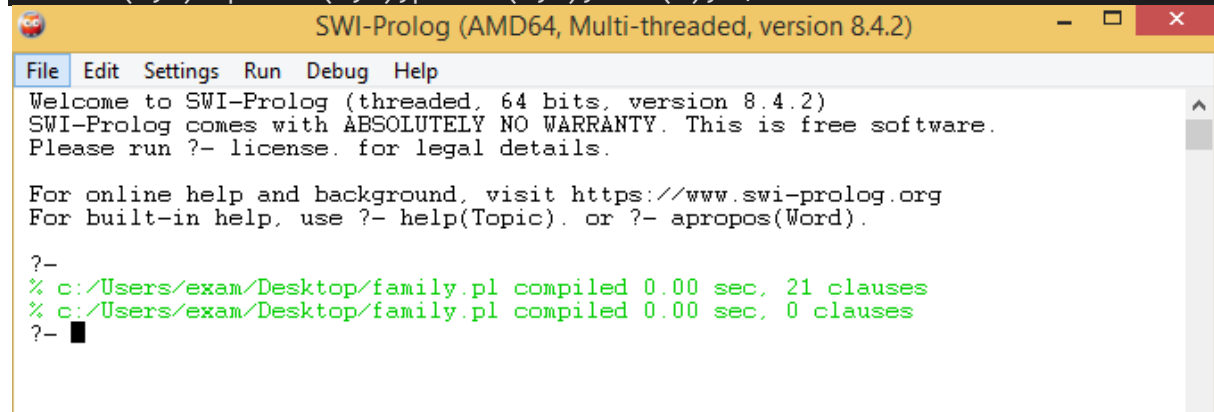Soumen samanta 16010420133

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).
```

```prolog
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.
```

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