Batch: A4	Experiment Number:5
Roll Number: 1914072	Name: Astha Thakur
Program/Steps:	
Code:	
/* Facts */ male(aayush).	
male(vivek).	
male(ranjit).	
male(james).	
female(asha).	
female(mona).	
female(akshara).	
female(prem).	
parent_of(vivek, aayush).	
parent_of(ranjit, vivek).	
parent_of(asha, vivek).	
parent_of(vivek, akshara).	
parent_of(mona,aayush).	

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parent of(mona, akshara).
parent of(nani, mona).
/* Rules */
father of(X,Y):- male(X),
parent of (X,Y).
mother of(X,Y):- female(X),
parent of (X,Y).
grandfather of(X,Y):- male(X),
parent of(X,Z), parent of(Z,Y).
grandmother of(X,Y):- female(X),
parent of (X,Z), parent of (Z,Y).
sister of(X,Y):- \%(X,Y or Y,X)%
female(X), father of(F, Y),
father_of(F,X),X = Y. sister_of(X,Y):-
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female(X),
                   mother of(M, Y),
mother of(M,X),X = Y.
aunt of(X,Y):- female(X),
parent of(Z,Y), sister of(Z,X),!.
brother_of(X,Y):- %(X,Y) or Y,X)%
                     father of (F, Y),
male(X),
father of(F,X),X = Y.
brother of(X,Y):- male(X), mother of(M,
Y), mother of(M,X),X = Y.
uncle of(X,Y):- parent of(Z,Y),
brother of (Z,X).
ancestor of (X,Y):- parent of (X,Y).
ancestor of(X,Y):- parent of(X,Z),
ancestor of (Z,Y).
```

Output/Result:











