Reg No : 231801150

Name : SANJAY S

# Introduction of Prolog

Program:

male(peter).

male(john).

male(chris).

male(kevin).

female(betty).

female(jeny).

female(lisa).

female(helen).

parentOf(chris,peter).

parentOf(chris,betty).

parentOf(helen,peter).

parentOf(helen,betty).

parentOf(kevin,chris).

parentOf(kevin,chris).

parentOf(jeny,john).

parentOf(jeny,helen).

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

parentOf(X,Y).

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

parentOf(X,Y).

grandfather(X,Y):-male(Y),

parentOf(X,Z),

parentOf(Z,Y).

grandmother(X,Y):-female(Y),

parentOf(X,Z),

parentOf(Z,Y).

brother(X,Y):-male(Y),

father(X,Z),

father(Y,W),

Z==W.

sister(X,Y):-female(Y),

father(X,Z),

father(Y,W),

Z==W.