**Lab Number: 03**

**Problem Statement : Prolog KB1 to KB5 (SWI Prolog)**

**NAME: Priti Patil ROLLNO: 80**

# **CLASS: TY(IT) BATCH: 3**

**DATE OF PERFORMANCE: 22 / 10 / 2022**

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**1.KB1:**

girl(ishu).

boy(harsh).

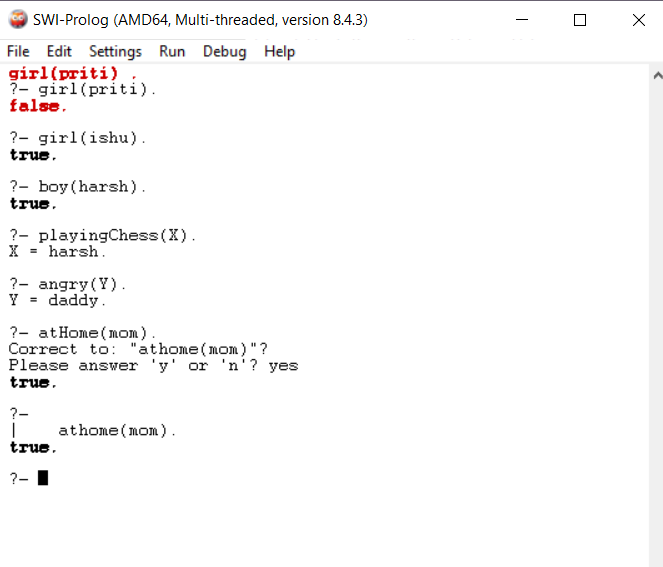
playingOnGrond(ishu).

playingChess(harsh).

athome(mom).

angry(daddy).

Output-



**2.KB2:**

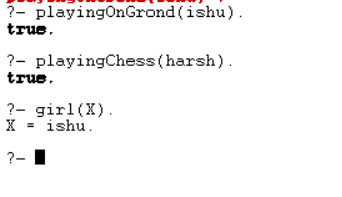
girl(ishu).

boy(harsh).

playingOnGrond(ishu):-girl(ishu).

playingChess(harsh):-boy(harsh).

Output-



**3.KB3:**

girl(ishu).

happy(ishu).

sad(ishu).

boy(harsh).

busy(harsh).

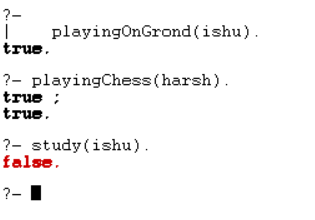
playingOnGrond(ishu):-girl(ishu),happy(ishu).

study(ishu):-sad(ishu),happy(harsh).

playingChess(harsh):-boy(harsh).

playingChess(harsh):-busy(harsh).

Output-



**4.KB4:**

girl(ishu).

girl(priti).

girl(srunu).

boy(harsh).

boy(soham).

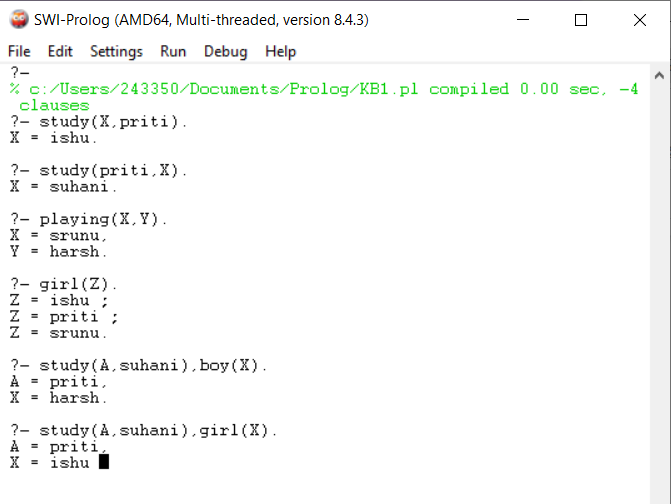
study(ishu,priti).

study(priti,suhani).

study(soham,suhani).

playing(srunu,harsh).

Output-



**5.KB5:**

loves(vincent,mia).

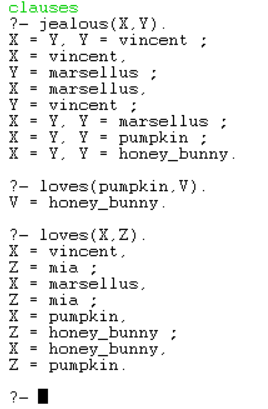
loves(marsellus,mia).

loves(pumpkin, honey\_bunny).

loves(honey\_bunny, pumpkin).

jealous(X,Y):- loves(X,Z), loves(Y,Z).

Output-

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