EX.NO:6

Reg.no:220701902

INTRODUCTION TO PROLOG

AIM: To learn PROLOG terminologies and write basic programs**.**

CODE:

KB1:

```
woman(mia).

woman(jody).

woman(yolanda).

playsAirGuitar(jody).

party.
```

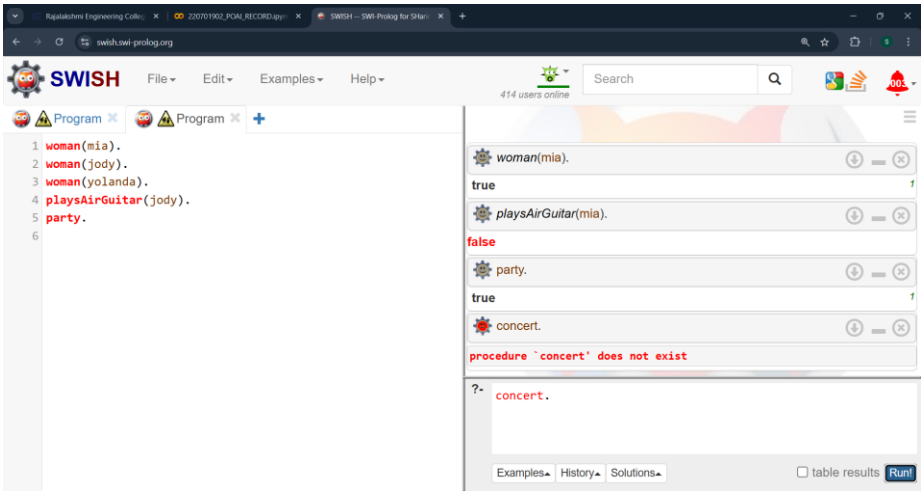
Query 1: ?-woman(mia).

Query 2: ?-playsAirGuitar(mia).

Query 3: ?-party.

Query 4: ?-concert.

OUTPUT:



KB2:

happy(yolanda).

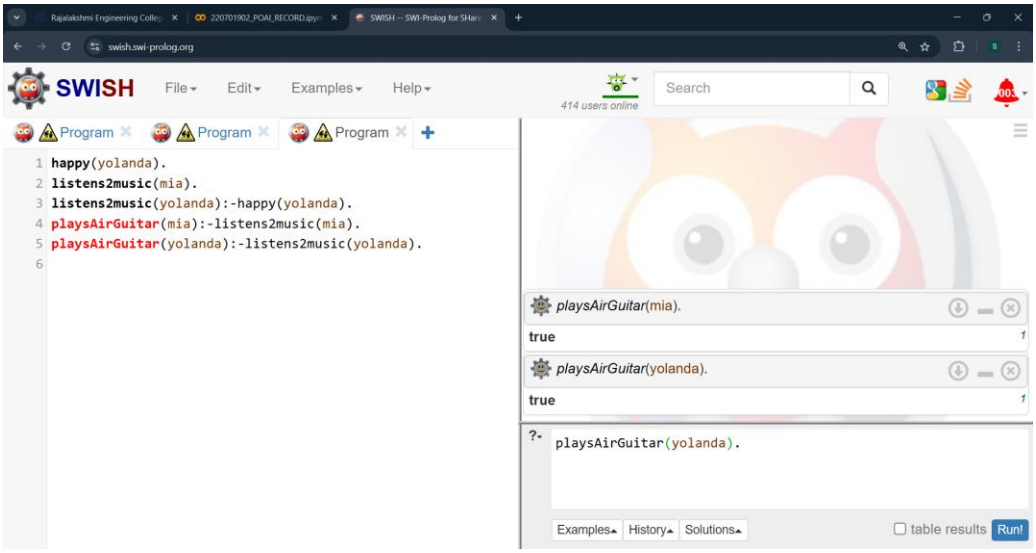
listens2music(mia).

Listens2music(yolanda):-happy(yolanda).

playsAirGuitar(mia):-listens2music(mia).

playsAirGuitar(Yolanda):-listens2music(yolanda).

OUTPUT: -



KB3:

likes(dan,sally).

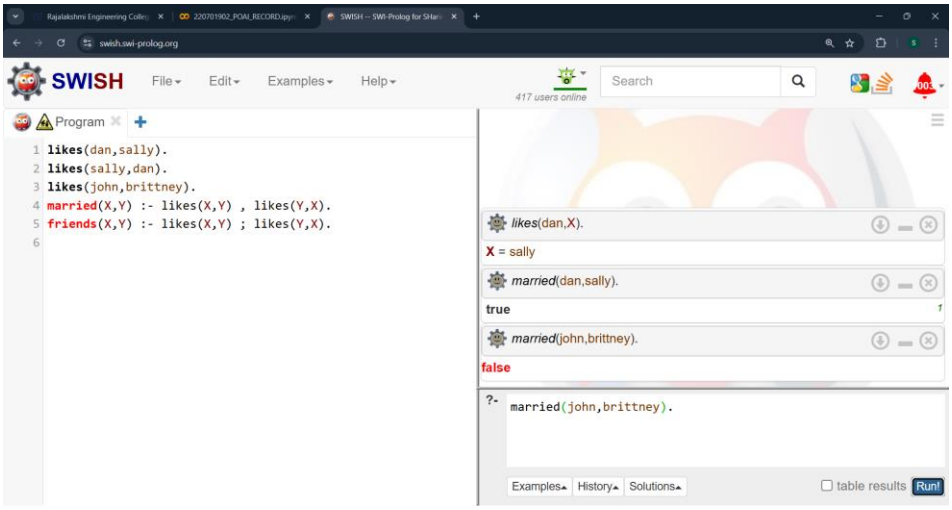
likes(sally,dan).

likes(john,brittney).

married(X,Y) :- likes(X,Y) , likes(Y,X).

friends(X,Y) :- likes(X,Y) ; likes(Y,X).

OUTPUT:



KB4:

food(burger).

food(sandwich).

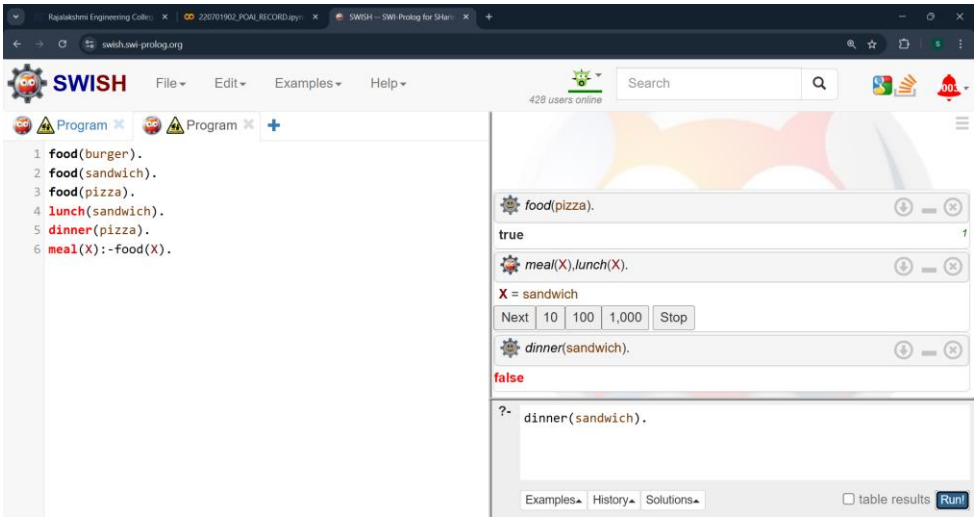
food(pizza).

lunch(sandwich).

dinner(pizza).

meal(X): -food(X).

OUTPUT:



KB5:

owns(jack,car(bmw)).

owns(john,car(chevy)).

owns(olivia,car(civic)).

owns(jane,car(chevy)).

sedan(car(bmw)).

sedan(car(civic)).

truck(car(chevy)).

OUTPUT: