Exp No. 8
Date :

Introduction to Prolog

AIM

→ To learn Prolog terminology and write basic programs

Code :

KB1 :

```
woman(mia).
woman(jody).
woman(yolanda).
playsAirGuitar(jody).
party
```

KB2 :

```
happy(yolanda).
listens2music(mia).
listens2music(yolanda):- happy(yolanda).
playsAirGuitar(mia):- listens2music(mia)-
playsAirGuitar(yolanda):- listens2music(yolanda)
```

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).
```

KB4

food (burger).
food (sandwich).
food (pizza).
lunch (sandwich).
dinner (pizza).
meal (x) :- food (x).

KB5

owns (jack, car (bmw))
owns (jack, car (chevy))
owns (olivia, car (civic))
owns (jane, car (chevy))
sedan(car (BMW))
sedan (car (civic))
truck (car (chevy))

Result

Thus the program of
Prolog terminology has been successfully executed.