

Exp 11 INTRODUCTION TO PROLOG

AIM:- To learn prolog terminologies and entire basic terms

ALGORITHM:-

KB1:-

- 1) Define facts for people using names
- 2) Define a standard fact for party.
- 3) Use queries to check
- 4) Query to undefined facts like concert.

KB2:-

- 1) Define initial facts for happiness & music listening
- 2) Use rules to deduce further relationships
- 3) Run queries.

KB3:-

- 1) Define like relationships b/w individuals
- 2) Define married (X,Y) if X & Y like each other.
- 3) Define friends (X,Y) if X likes Y & Y likes X

Code:-

KB1:-

woman(mia)
woman(judy)
woman(yolanda)
playstr guitar(john)
party

KB2:-

happy(yolanda)
listonemusic(mia)

KB3:-

like (dan, sally)

likes (sally, dan)

like (John, britney)

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

friends (X, Y) :- like(X, Y), like(Y, X)

OUTPUT

KB1

? - women(mia)

true

? - playsAirGuitar(mia)

false

? - party

true

KB2

? - playsAirGuitar(yolanda)

true

KB3

? - like(dan, X)

X = sally

? - married(dan, sally)

true

? - married(John, britney)

false

RESULT:-

Thus basic programs of prolog is successfully executed and output emerges