Experiment -13

Introduction to PROLOG

AIM

To learn PROLOG terminologies and write basic programs.

TERMINOLIGIES

1. Atomic terms:
   - day
   - ab_c_321

2. Variables:
   - Dog
   - Apple_420

3. Compound Terms:
   - is_bigger (elephant, x)
   - f (g (x, _), >)

4. Facts:
   - bigger_animal (whale).
   - life_is_beautiful.

5. Rules:
   - is_smaller (x, Y) :- is_bigger (Y, x).
   - aunt (Aunt, Child) :- sister (Aunt, Parent), parent (Parent, child).

SOURCE CODE

woman (mia).
woman (jody).
woman (yolanda).
playsAir Guitar (jody)
party.

OUTPUT

? – woman (mia).
 true
? – playsAir Guitar (mia).
 false
 ? – party.
 true
 ? – concert.
 ERROR

RESULT

Thus, basic programs have been written in PROLOG and executed successfully.