

## Experiment NO.: 7 Introduction to Prolog

Aim:

To learn prolog terminologies and write basic programs.

Procedure:

- Procedure for using prolog with KB<sub>1</sub> and KB<sub>2</sub>
1. create a file : open a text editor and save the following knowledge bases as kb1.pl and kb2.pl respectively.
  2. open prolog : Launch your prolog interpreter (EG: swi - Prolog)
  3. load knowledge Base:
  4. Execute Queries
  5. View results: Prolog will provide answers to each query. If the query is true, it will return true; if false, it will return false. You can press ; to see more answers if available.
  6. Exit Prolog : Type:
    - ? - halt
    - to exit the prolog

Output:

?- woman (mia)

true

?- playsAGuitar (mia)

false

?- party

true

?- concert

Error: Unknown procedure: concert:10

Result: Thus the program successfully executed and the output is verified