

Ex no: 8

Date: _____

Unification and Resolution

Aim:

To execute programs based on Unification & Resolution. Deduction in prolog is based on the unification and Instantiation. Matching terms are unified & variables

Procedure for executing prolog programs in Unification & resolution

1) Set up Prolog Environment

Open your prolog interpreter

2) Creating a knowledge base file:

Open a text editor & save the following prolog code as resolution.kb.pl:

3) Load the knowledge base

In your prolog interpreter, load the knowledge base.

4) Define goals - for Reputation

For goal 1: Know not - Strawberry - picking

For goal 2: Know enjoy

5) Events Queries for each goal:

For goal 1: Check if strawberry picking is true

For goal 2: Check if not (enjoy) is true

6) Review Results

7) Conclusion

8) Exit Prolog

After testing all goals type:
?-halt

Source Code

enjoy:- sunny, warm
strawberry - picking:- warm, pleasant.
not strawberry - picking:- raining
wet:- raining
warm
raining
sunny.

O/P

? - strawberry - picking

true

? - enjoy

true

? - not

true

Result

The program was successfully
and the O/P is verified
executed