Ex: No: 9

Unification & Resolution

Aim:-

To execute Programs based on Unification & Resolution. Deduction in prolog is based on the unification and Instantiation. Matching terms are unified & variable get instant.

Procedure for Executing Prolog program

1. Set up Prolog Environment:
   Open your prolog interpreter.

2. Creating a knowledge base file:
   Open a text editor and 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 Refutation:
   For Goal 1: Prove not-strawberry-picking
   For Goal 2: Prove enjoy

5. Execute Queries for Each Goal:
   For Goal 1:- Check if strawberry is true
   For Goal 2:- Check if not (enjoy) is true

6. Review result.

7. Conclusion

8. Exit Prolog:
   After testing all goals, type:
   ?- halt.

Output:-
   ?- not strawberry - picking
   true
   ?- enjoy
   :- true
   ?- wet
   true.

Result:-
   The Program was Successfully
   executed and the o/p is verified.