

Procedure for Executing Prolog Program on unification and resolution.

1. Setup 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 query:

For goal 1: Prove not-strawberry-picking

For goal 2: Prove enjoy

5. Execute 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.

Code:

enjoy: - sunny, warm
strawberry - picking: warm, pleasant

nd strawberry - picking: raining

Web: raining

wasn't sunny, wasn't raining, wasn't sunny, wasn't raining

Q/P

? - not strawberry - picking

true

? - enjoy

true

? - wet

disappointed at your answer

about at home

troubled again, needs it

really troubled again

troubled again

troubled again, about

Result:

The program was successfully executed
and the output is verified.