Ex no: 6 Unification and Resolution.
Date

Aim:
To execute programs based on unification and Resolution. Deduction in prolog is based on the unification and instantiation. Matching terms are unified and variables get instantiated.

Procedure for executing prolog programs on unification and resolution.

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-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.

o/p:

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

Result:
The program was successfully executed and the o/p is verified.