

Exp. no  
Date

# Unification and Resolution

## 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

### 3. Load the knowledge base

In your Prolog interpreter, load the knowledge base

### 4. Define goals for Resolution:

For goal 1: Prove not strawberry

For goal 2: Prove enjoyed

### 5. Execute queries for each goal:

For goal 1: check if strawberry - picking is

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

### 6. Review results

### 7. Conclusion

### 8. Exit Prolog

After testing all goals. type:

? - halt

output

? - not strawberry - picking

true

? - enjoy

true

? - well

true

Result

The program was successfully executed and the output is verified.