

Exp 5 - Report

Aim

- To implement a given problem using knowledge representation using Prolog Programming.
- To create a family tree using Prolog
- To slice a list in Prolog

Procedure

Family tree

- Define the facts in the family tree such as female(sonali), male(parth), mother parent(x, y).
- After defining the facts define the relationships.
- These are the rules of the family tree which are extension of facts that contain conditional clauses.
- To satisfy a rule these condition should be met.
- rules are for eg. father(x, y), mother(x, y) etc.
- write some queries which are answered on the basis of the rules and facts defined.

slice

- Use lists in Prolog to slice a given array based on the value of the indexes provided.
- Used recursion to slice the list in Prolog
- write a suitable query to get the sliced list based on the rules and facts provided

Conclusion

- Hence learnt to implement problems using knowledge representation by implementing family tree and list slice using Prolog.