Aim : To write simple fact for given statements using PROLOG programming.

Title : Write simple fact for the statements using PROLOG.

Theory : PROLOG as the name itself suggests, is short form of logical programming. It is logical and declarative programming language.

PROLOG language basically has three diffrent elements.

① Facts :-

It is predicate that is true.

Eg. If we say, "Jerry is mouce", then it is a fact.

② Rules :-

They are extenctions of facts that contain conditional clauses. To satisfy a rule these conditions should be met.

Eg. If we define rule as

grandfather(X, Y) :- father(X, z), parent(z, Y)

Above statement implies that for X to be grandfather of Y, Z should be parent of Y and X should be father of Z.

③ Questions :

And to run a prolog program, we need some questions, and these questions can be answered by the given facts and rules.

A basic programming environment has no liter
An identifier with upper case variables and other ide
denote variables.

Identifiers that start with lower-case denote
The basic Prolog elements are typeless.

The most important implementations of prolog ha
enhanced to include integer value, charecters and operation

Applications :

- Specification language
- Robot planning
- Natural language Understanding
- Machine learning
- Expert System
- Problem solving
- Automated Reasoning, etc

Conclusion :-

We have successfully implemented PROLOG code successfully.