

Some of the basic elements of Prolog are:

1. Term
2. Fact statements
3. Rule statements

1. Term: A Prolog term is a constant, a variable, or a structure.

A constant is either an atom or an integer.

Atoms are the symbolic values of Prolog and are similar to their counterparts in LISP. In particular, an atom is either a string of letters, digits, and underscores that begins with a lowercase letter or a string of any printable ASCII characters delimited by apostrophes.

2. Fact statements: A fact statement is simply a proposition that is assumed to be true.

For example:

- `female(khushi).` , it states Khushi is a female.
- `mother(varsha, khushi).` , it states Varsha is Mother of Khushi.

3. Rule Statements: Rule statements state rules of implication between propositions. For example: `ancestor(varsha, khushi) :- mother(varsha, khushi).`, it states that if Varsha is the mother of Khushi, then Varsha is an ancestor of Khushi.

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