**Experiment No. 2**

**Objective:** Write simple fact for the statements using PROLOG.

1.)**Sample input:**

a. Ram likes mango.

b. Seema is a girl.

c. Bill likes Cindy.

d. Rose is red.

e. John owns gold.

**Expected output:**

Goal queries

?-likes(ram,What).

?-likes(Who,cindy).

?-red(What).

?-owns(Who,What).

**2.) Theory:**

In Prolog, the program contains a sequence of one or more clauses. The clauses can run over many lines. Using a dot character, a clause can be terminated. This dot character is followed by at least one 'white space' character. The clauses are of two types: facts and rules.

Facts are specified in the form of the head. Head is known as the clause head. It will take in the same way as the goal entered at the prompt by the user. The head of a clause must be a compound term or an atom. Compound terms and atoms are collectively called as call terms.

**3.) Procedure:**

Write simple fact for followings:-

a. Ram likes mango.

b. Seema is a girl.

c. Bill likes Cindy.

d. Rose is red.

e. John owns gold.

