ROSENIVITHA J - 192424009

**EXP 29: Write a Prolog Program for forward Chaining. Incorporate required queries**

**AIM:**

To Write a Prolog Program for forward Chaining. Incorporate required queries.

**PROGRAM:**

% 29. Prolog Program for Forward Chaining

fact(a).

fact(b).

rule(c) :- fact(a), fact(b).

rule(d) :- rule(c).

forward(X) :- fact(X).

forward(X) :- rule(X), assertz(fact(X)), forward(X).

% Query: ?- forward(d).

**Query:**

?- forward(d).

OUTPUT:



**RESULT:**

Thus, the output is verified Prolog Program for forward Chaining. Incorporate required queries.