ROSENIVITHA J - 192424009

**EXP 25: Write a Prolog program to implement Monkey Banana Problem**

**AIM:**

To Write a Prolog program to implement Monkey Banana Problem.

**PROGRAM:**

% 25. Prolog Program for Monkey Banana Problem

% State representation: state(MonkeyPos, MonkeyOnBox?, BoxPos, BananaPos)

% Initial state: monkey at door, box at window, banana at middle

% Goal state: monkey has banana

move(state(middle,onbox,middle,hasnot),

grasp,

state(middle,onbox,middle,has)).

move(state(P,onfloor,P,B),

climb,

state(P,onbox,P,B)).

move(state(P,onfloor,P,B),

push(P,Q),

state(Q,onfloor,Q,B)).

move(state(P,onfloor,B,Banana),

walk(P,Q),

state(Q,onfloor,B,Banana)).

canget(state(\_,\_,\_,has)).

canget(State1) :-

move(State1,\_,State2),

canget(State2).

**Query:**

?- canget(state(door,onfloor,window,hasnot)).

OUTPUT:



**RESULT:**

Thus, the output is verified Prolog Program implement Monkey Banana Problem.