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**EXP 32: Write a Prolog program to implement pattern matching**

**AIM:**

To Write a Prolog program to implement pattern matching.

**PROGRAM:**

% 32. Prolog Program to implement pattern matching

pattern([a,b,c]).

pattern([a,\_,c]).

pattern([X,Y,Z]) :- X \= Y, Y \= Z.

% Example queries:

% ?- pattern([a,b,c]).

% ?- pattern([a,x,c]).

% ?- pattern([x,y,z]).

**Query:**

?- pattern([a,x,c]).

**Output:**

true.

**Query:**

?- pattern([a,b,c]).

OUTPUT:



**RESULT:**

Thus, the output is verified Prolog Program to implement pattern matching.