EXPERIMENT:32 Write a Prolog program to implement pattern matching

PROGRAM:

% Facts: animal(Name, Type, Color)

animal(lion, mammal, yellow).

animal(elephant, mammal, gray).

animal(crow, bird, black).

animal(parrot, bird, green).

animal(salmon, fish, pink).

% Pattern matching rule: match any attribute

match_pattern(Pattern, Value) :-

   animal(Name, Type, Color),

  (

     (Pattern = name, Value = Name);

     (Pattern = type, Value = Type);

     (Pattern = color, Value = Color)

).

OUTPUT:


```
match_pattern(type, mammal).
true
Next  10  100  1,000  Stop

?-
    match_pattern(type, mammal).
```