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**DEFINITION NUMBER :3**

**AIM:**

Write a program to demonstrate cut and fail in prolog.

**PROGRAM CODE:**

animal(cobra).

animal(python).

animal(blackMamba).

snake(cobra).

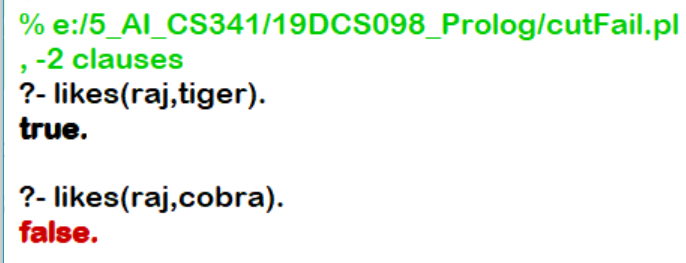
snake(python).

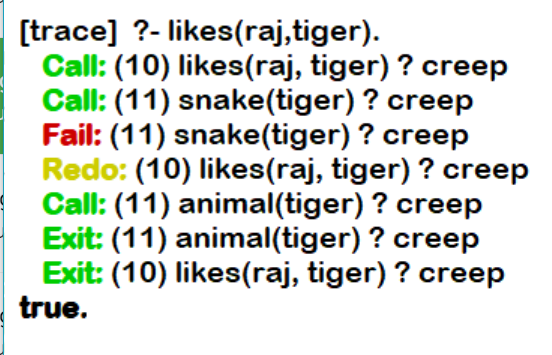
snake(blackMamba).

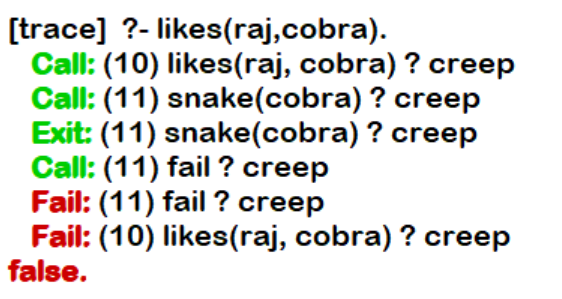
likes(raj,X):- snake(X),!,fail.

likes(raj,X):- animal(X).

**OUTPUT:**







**CONCLUSION:**

By performing the above practical, we learned about cut and fail.

**CUT:**

* Represented by !.
* It always succeeds, but cannot be backtracked. It is best used to prevent unwanted backtracking,

**fail** is a special symbol that will immediately fail when Prolog encounters it as a goal