

CODE:

% Define facts and rules

mammal(dog).

mammal(cat).

mammal(human).

has_fur(dog).

has_fur(cat).

has_fur(human).

gives_birth_to_live_young(dog).

gives_birth_to_live_young(cat).

gives_birth_to_live_young(human).

% Define the rule for determining if an animal is a mammal

is_mammal(Animal) :-

mammal(Animal),

has_fur(Animal),

gives_birth_to_live_young(Animal).

% Sample Input and Output

% Query: is_mammal(dog).

% Output: true

% Query: is_mammal(snake).

% Output: false

INPUT

?- is_mammal(dog).

OUTPUT

true.