

Prolog Tutorials

Lab-2

Example 1

%Facts

%teaches(X,Y) Person X teaches Y

teaches(richard,ai).

teaches(richard,ai lab).

write 10 facts at least.

%student(X,Y) student X takes Y course

studies(sabbir,ai).

studies(rahim,oop).

Write 10 facts at least.

Together this facts form prolog's database.

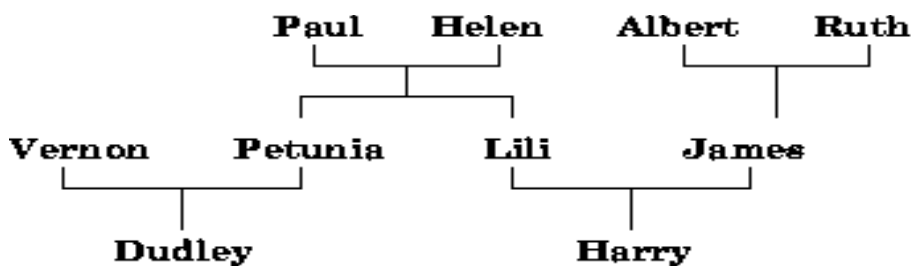
%rules

guide(Teacher,Student):-

teaches(Teacher,Course),

studies(Student,Course).

Example 2



formulate rules to capture the following relationships:

- father_of(Father,Child) and mother_of(Mother,Child)
- grandfather_of(Grandfather,Child) and grandmother_of(Grandmother,Child)
- sister_of(Sister,Person)
- aunt_of(Aunt,Person) and uncle_of(Uncle,Person)

Solution:

female(helen).
female(ruth).
female(petunia).
female(lili).

male(paul).
male(albert).
male(vernion).
male(james).
male(dudley).
male(harry).

parent_of(paul,petunia).
parent_of(helen,petunia).
parent_of(paul,lili).
parent_of(helen,lili).
parent_of(albert,james).
parent_of(ruth,james).
parent_of(petunia,dudley).
parent_of(vernion,dudley).
parent_of(lili,harry).
parent_of(james,harry).

<https://www.youtube.com/playlist?list=PLWPirh4EWFpFLjsd3IUqymnCVBaz1Yagg>

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