Assignment Project Exam Help Prolog Conditional

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Prolog Conditional

Related to the !, is the Prolog conditional test:

(Test -> Then Assignment Project Exam Help

where each of Test, ThenC, ElseC can be a general Prolog query.

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Conditional Example

```
student_fees(S, F):-

student(S),
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(eu(S)->F=13500; F=29500).
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```

The Effect of the Prolog Conditional

```
Ignoring variables, given
```

```
H:-..., (Test -> ThenC; ElseC), ...

its effect is eignivalent to rewriting the clause as:

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H:-..., cond.....
Where cond is defined as:

cond:-Test,!, ThenC.

cond:-ElseC.
```

Some Prologs implement it this way.

```
student fees(S, F):-
       student(S), (eu(S)->F=13500; F=29500).
This can be written alternatively as: https://powcoder.com
student_fees(S, F):-
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student(S), check_fees(S,F).
check fees(S, F):-
       eu(S), !, F=13500.
check fees(S, F) :- F=29500.
```

Conditional Examples

```
dry_forecast(16).
                           dry_forecast(23).
country_park(richmond). transport_strike(23).
country_park( Assignment Project Exam Help
                 https://powcoder.com
weekend_plan(D, P):-
      (dry forecasted WeChat powcoder
      \+transport_strike(D),
      country-park(Park)) ->
             P=goto(Park);
             (film(F), P=goto(cinema(F))).
```

```
?- weekend_plan(16, P).
P= goto(richmond);
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no.
              https://powcoder.com
?- weekend_pladd2\yePhat powcoder
P=goto(cinema(batman));
P=goto(cinema(superman));
no.
```

Compare With

```
dry_forecast(16).
                           dry_forecast(23).
country_park(richmond). transport_strike(23).
country_park( Assignment Project Exam Help
                 https://powcoder.com
alt_weekend_plan(D, P):-
      (dry forecasted WeChat powcoder
      \+transport_strike(D)) ->
             (country-park(Park), P=goto(Park));
             (film(F), P=goto(cinema(F))).
```

```
?- alt_weekend_plan(16, P).
P = goto(richmond):
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P = goto(petworth);
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no
Add WeChat powcoder ?- alt_weekend_plan(23, P).
P = goto(cinema(batman));
P = goto(cinema(superman));
no
```

Yet another definition of max

```
alt_max(X,Y,Z):- Y>X -> Z=Y; Z=X.

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?- alt_max(1, 2, X).
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X=2
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?- alt_max(1, 2, 1).
```