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PROLOG LAB MANUAL

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Aim 2 :

Write predicates one converts centigrade temperatures to Fahrenheit, the other checks if a temperature is below freezing.

Solution :

% Facts

% Production rules:

c_to_f

f is $c * 9 / 5 + 32$

freezing $f < = 32$

% Rules:

c_to_f(C,F) :-

F is $C * 9 / 5 + 32$.

freezing(F) :-

F $=< 32$.

Output:

% Queries :

?- c_to_f(100,X).

X = 212

Yes

?- freezing(15).

Yes

?- freezing(45).

No