LAB 3

Objective:- Write predicates one converts centigrade temperature to farenheit,the other checks if a temprature is below freezing.

Question:-

Production rules:
Arithmetic:
c_to_f
f is c * 9 / 5 +32
freezing
f =<32

Queries:-

?- c_to_f(100,X).
X = 212
Yes
?- freezing(15)
.Yes
?- freezing(45).
No

Answer:-

c_to_f(C,F) :- F is C*9/5+32.
freezing(F) :- F=<32.

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?-
% c:/Users/amit/Documents/Prolog/lab3temp.pl compiled 0.00 sec, 2 clauses
?- c_to_f(100,X).
X = 212.

?- freezing(15).
true.

?- freezing(45).
false.

?-
```

lab3temp.pl

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lab3temp.pl

```
c_to_f(C,F) :- F is C*9/5+32.
freezing(F) :- F=<32.
```