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INSTITUTE OF TECHNOLOGY

DHULE (M.S.)

DEPARTMENT OF COMPUTER ENGINEERING

Subject : Artificial Intelligence Lab	Remark
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Date : 21/08/2025	Signature
Title : Implement The Basic in Prolog.	

Program 1:-

Code:

```
likes(ram, mango).  
girl(seema).  
like(bill, candy).  
real(rose).  
own(john, gold).
```

Output:

```
?- begin, 0)), '$toplevel': '$query_loop'(0), '$toplevel': notrace(call_repl_loop_ho  
ok(end, 0))) ? creep  
?- likes(ram, mango).
```

true.

```
?- likes(ram, What).  
What = mango.
```

```
?- likes(Who, What).  
Who = ram,  
What = mango.
```

```
?- girl(Who).  
Who = seema.
```

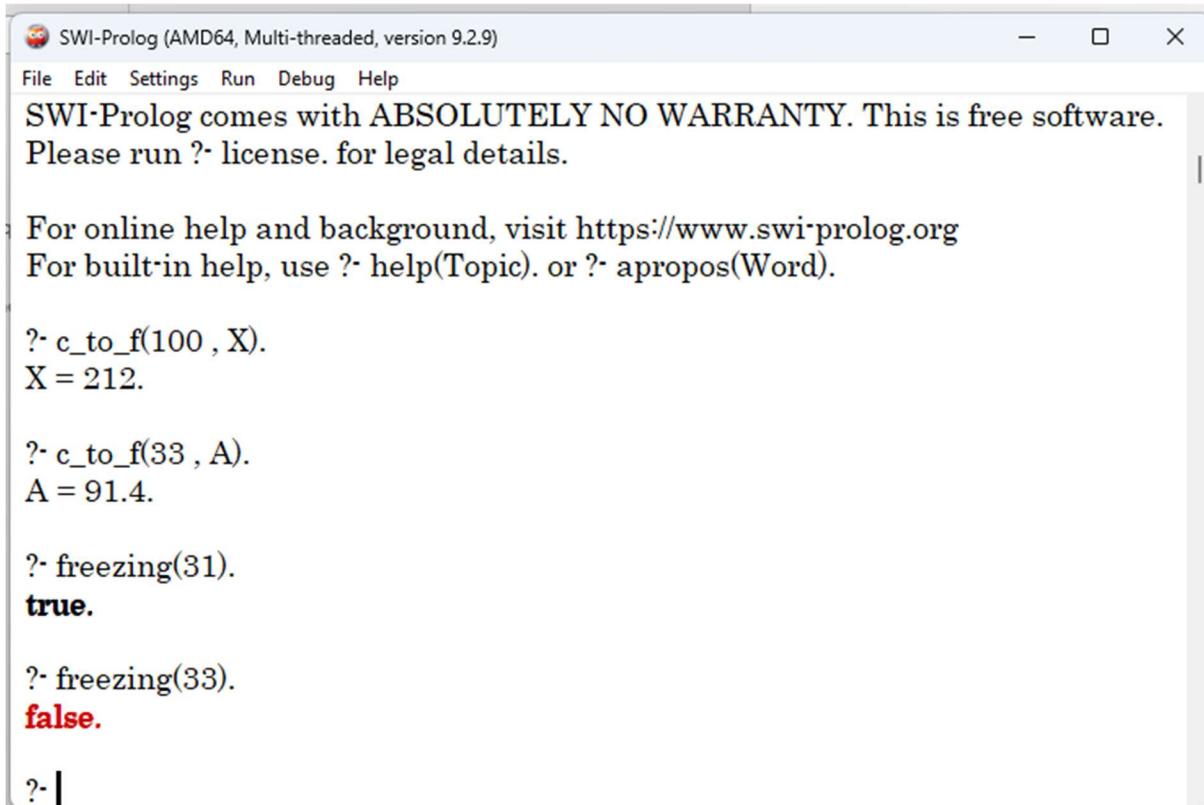
?-

Program 2:-

Code:

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

Output:



The screenshot shows the SWI-Prolog interface running on an AMD64, Multi-threaded, version 9.2.9 system. The window title is "SWI-Prolog (AMD64, Multi-threaded, version 9.2.9)". The menu bar includes File, Edit, Settings, Run, Debug, and Help. A message at the top states: "SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software. Please run ?- license. for legal details." Below this, the Prolog interpreter is shown executing the provided code. The output is as follows:

```
?- c_to_f(100 , X).  
X = 212.  
  
?- c_to_f(33 , A).  
A = 91.4.  
  
?- freezing(31).  
true.  

```