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INSTITUTE OF TECHNOLOGY
DHULE (M.S.)
DEPARTMENT OF COMPUTER ENGINEERING

Subject : Artificial Intelligence Lab

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Class : B.tech Final Year

Batch : B2

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Expt. No. : 01

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Title : Implement The Basic in Prolog.

Remark

Signature

Program 1:-

Code:

likes(ram, mango).

girl(seema).

like(bill, candy).

real(rose).

own(john, gold).

Output:

```
egin, 0)), '$stoplevel': '$query_loop'(0), '$stoplevel': 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.
```

```
?- |
```

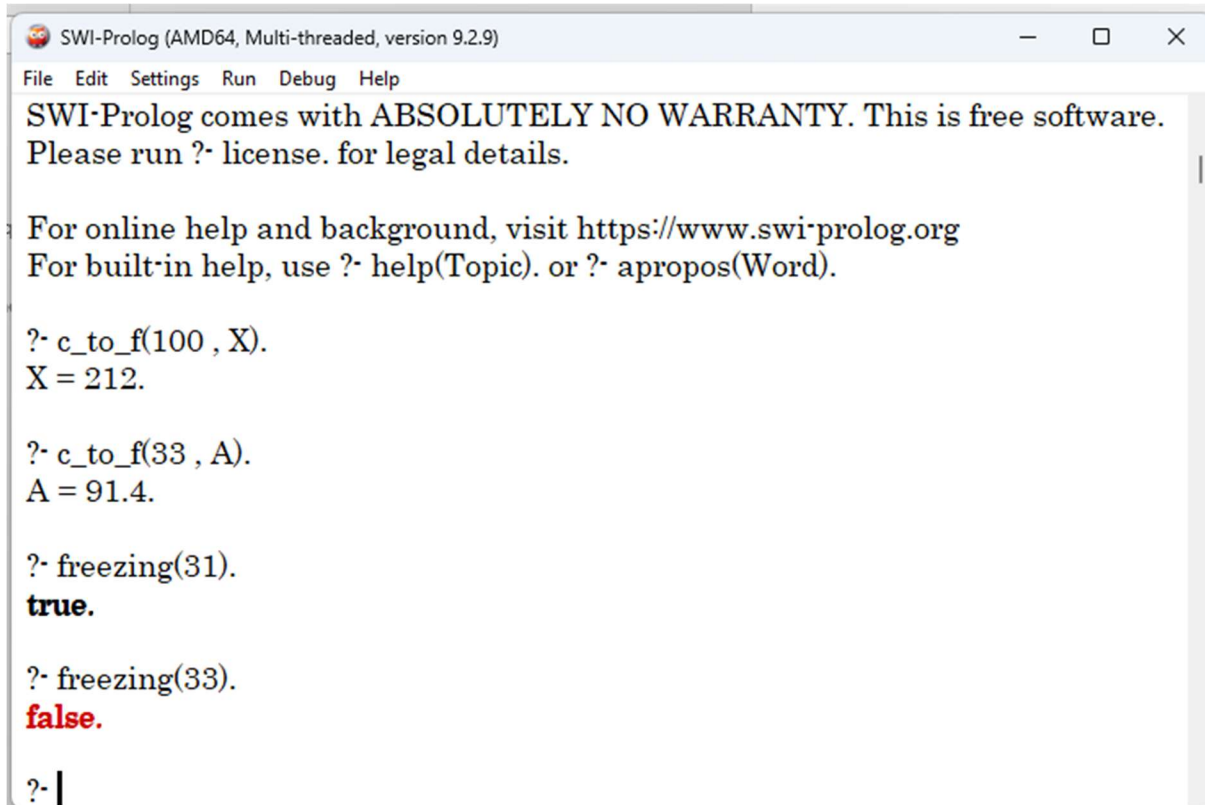
Program 2:-

Code:

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

`freezing(F):-F =< 32 .`

Output:



```
SWI-Prolog (AMD64, Multi-threaded, version 9.2.9)
File Edit Settings Run Debug Help
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- c_to_f(100 , X).
X = 212.

?- c_to_f(33 , A).
A = 91.4.

?- freezing(31).
true.

?- freezing(33).
false.

?- |
```