

EXPERIMENT-38

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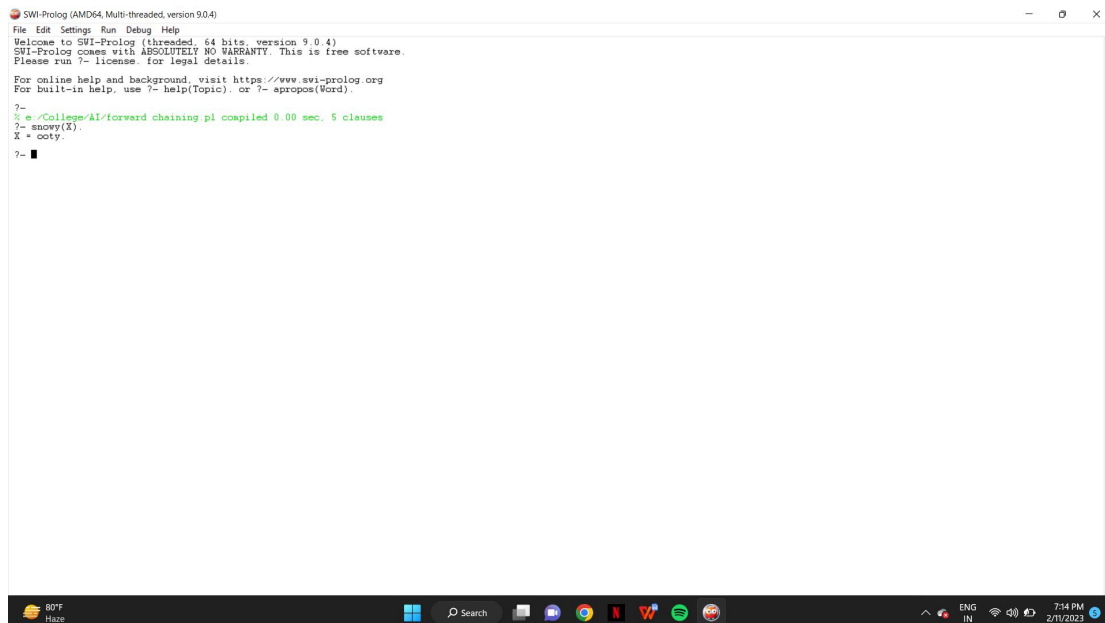
Course: CSA1789 Artificial Intelligence

Q)Write a Prolog Program for forward Chaining. Incorporate required queries.

Program:

```
rainy(chennai).  
rainy(coimbatore).  
rainy(ooty).  
cold(ooty).  
snowy(X):-  
    rainy(X),cold(X).
```

OUTPUT:



The screenshot shows the SWI-Prolog (AMD64, Multi-threaded, version 9.0.4) interface. The menu bar includes File, Edit, Settings, Run, Debug, and Help. The main window displays the following text:

```
Welcome to SWI-Prolog (threaded, 64 bits, version 9.0.4)  
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).  
  
?-  
% e:\College\AI\forward chaining.pl compiled 0.00 sec, 5 clauses  
?- snowy(X).  
X = ooty.  
?-
```

The Windows taskbar at the bottom shows the system clock as 7:14 PM on 2/11/2023, along with various system icons and application icons.