

EXPERIMENT-29

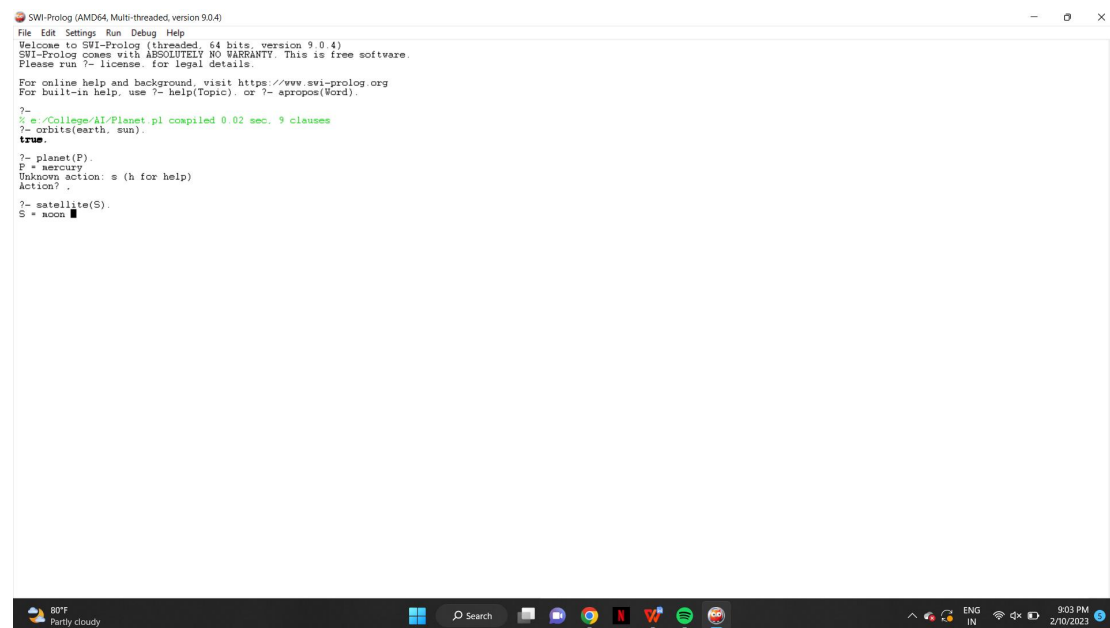
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Q) Write a Prolog Program for PLANETS DB.

PROGRAM:

```
orbits(mercury, sun).  
orbits(venus, sun).  
orbits(earth, sun).  
orbits(mars, sun).  
orbits(moon, earth).  
orbits(phobos, mars).  
orbits(deimos, mars).  
planet(P) :- orbits(P,sun).  
satellite(S) :- orbits(S,P), planet(P).
```

OUTPUT:



```
SWI-Prolog (AMD64, Multi-threaded, version 9.0.4)  
File Edit Settings Run Debug Help  
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).  
  
?-  
?- planet(P).  
P = mercury  
Unknown action: s (h for help)  
Action? .  
?- satellite(S).  
S = moon
```