

EXPERIMENT-35

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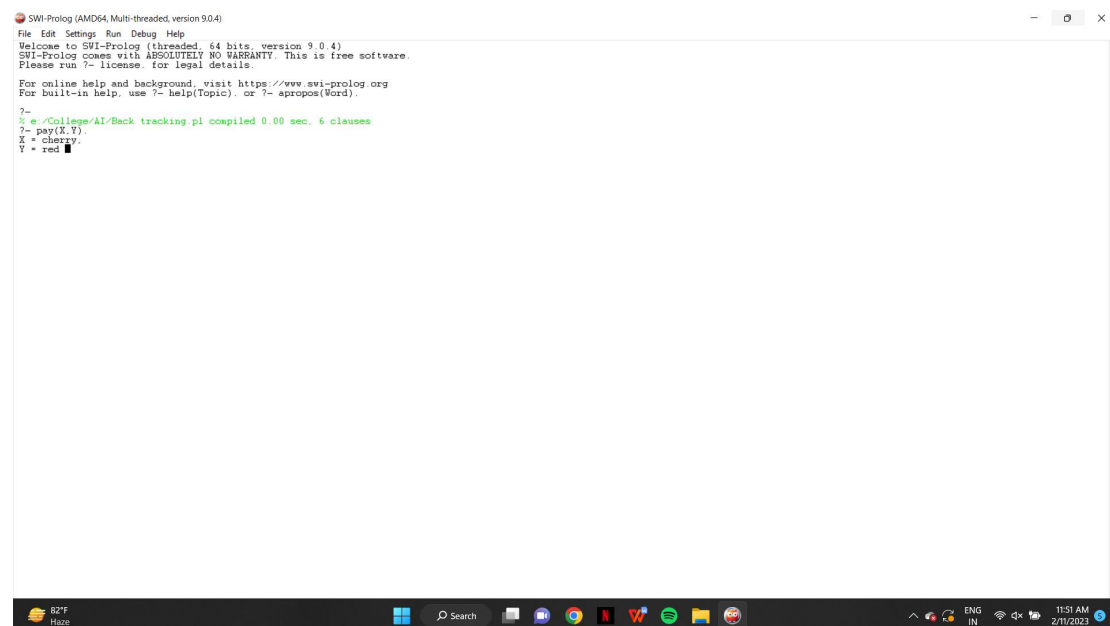
Course: CSA1789 Artificial Intelligence

Q)Write a Prolog Program for fruit and its color using Back Tracking.

PROGRAM:

```
colour(cherry,red).
colour(banana, yellow).
colour(apple, red).
colour(apple, green).
colour(orange, orange).
pay(X,Y):-
    colour(X,Y).
```

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).
?-
? e:/College/AI/Back tracking.pl compiled 0.00 sec, 6 clauses
?- pay(X,Y).
X = cherry,
Y = red
```