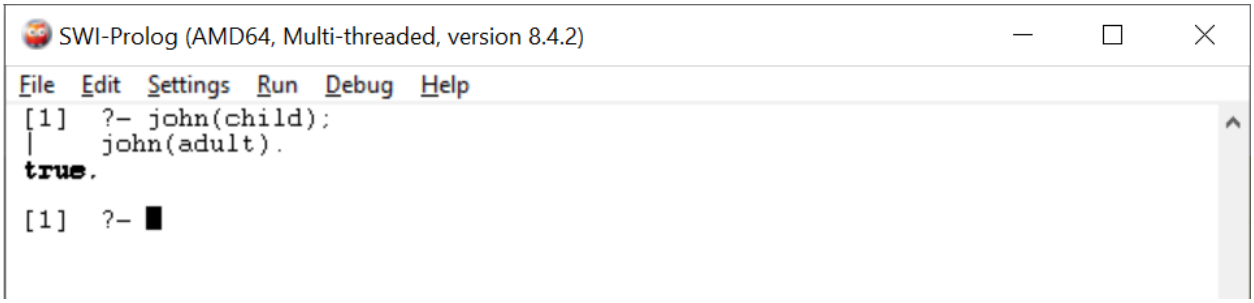
TASK3: QUESTION ANSWERING

1.Is John a child or an adult? [Adult]

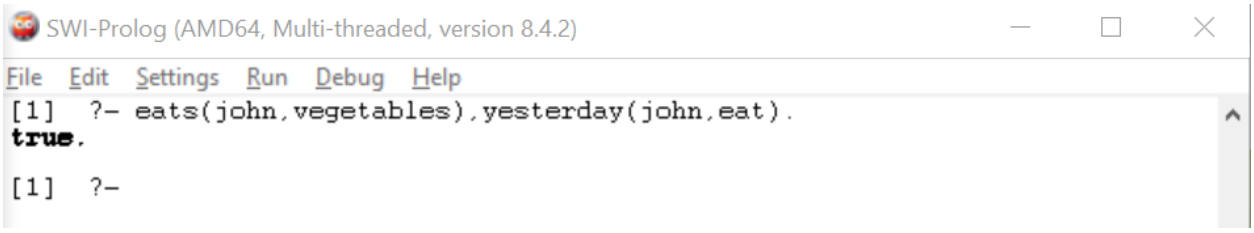
Input -> john(adult).

Output->



2. Did John eat any vegetables yesterday? [Yes]

Input -> eats(john,vegetables) and yesterday(john,eat). {NOTE: IF YOU HAVE TO USE "AND" FUNCTION THEN HAVE TO PUT "," BETWEEN THE TWO CLAUSES.}



3. Did John buy any meat? [Yes]

Input-> buys(john,_).

It means john is buying everything in the store.

Here I write meat so that's true.

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true.

[1]  ?- buys(john,meat).
true
```

4. If Mary was buying a cheesecake at the same time as John, did he see her? [Yes]

Input-> johnseen(X):- buys(X,cheesecake),buys(john,cheesecake).

All the Capital letters stands for the variable

[":-" stands for "if" & "," stands for "and"]

Output->

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[1]  ?- johnseen(mary).
true.
```

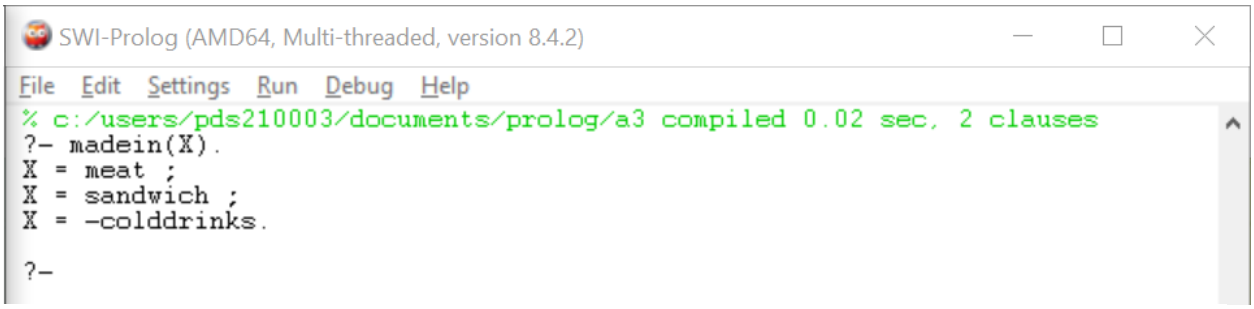
5. Are onions made in Jason's Deli? [No]

Input ->

If we put variable in the argument X, then it will shows you the all the possible outcomes.

Suppose here I have take a input as (madein(X).) so it will shows that what is made in the deli of Jason.

Output->

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[1]  ?- madein(onions).
false.
```

6. What is John going to do with the Beefeater? [Eat it]

Input-> beefeater(john, X);

This clause will show all the possible outcomes for the john did with beefeater.

Output:-

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?- beefeater(john,X).
X = eatit.
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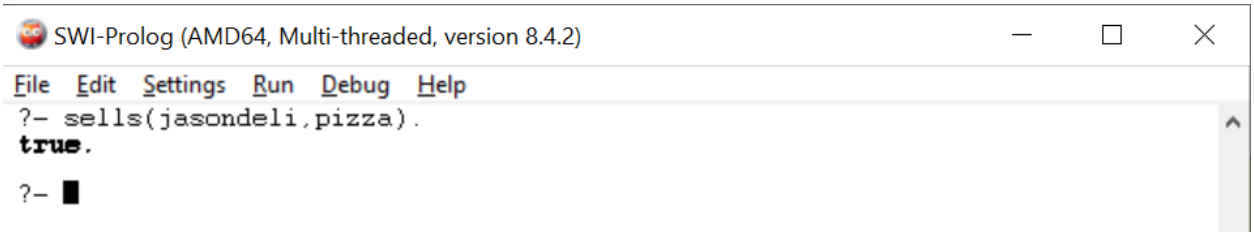
7. Does Jason's Deli sell pizza? [Yes]

Input-> sells (jasondeli,pizza).

Output:

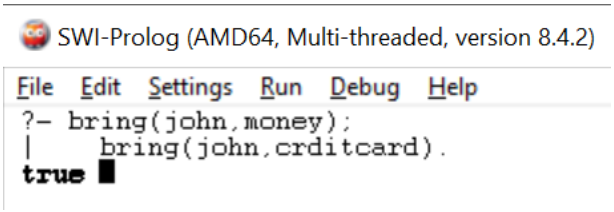


8. Did John bring money or a credit card to the deli? [Yes]

Input:- {In prolog ";" means "OR".}

So as a input bring(john,money) or bring(john,creditcard) gives you answer TRUE.

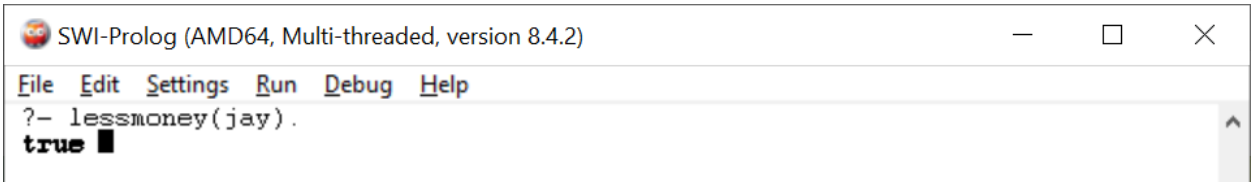
Output:-



9. Did John have less money after going to the deli? [Yes]

Input-> lessmoney(X) :- buys(_,cheesecake),bring(_money).

Output:-



10. Are there other people at Jason's deli while John is there? [Yes - there is staff!]

Input-> "issaff(john). "Gives me true value.

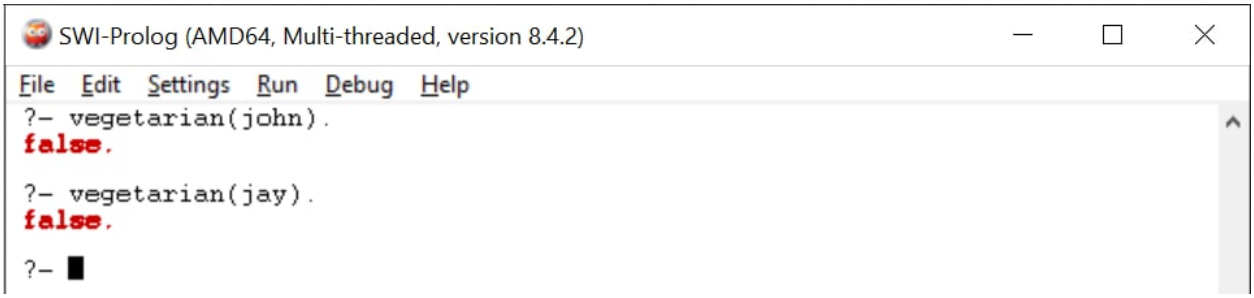
Any other from john gives me false value.

Output:-

11. Is John a vegetarian? [No]

Input clause : vegetarian(-john)

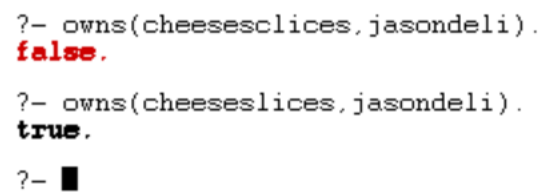
Output:-



12. Who owns cheese slices at the deli? [Jason's Deli]

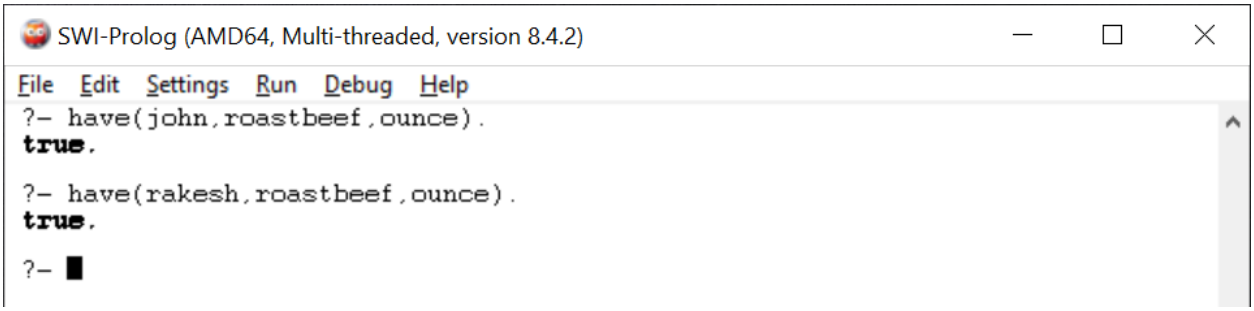
Input clause-> owns(cheesesclices,jasondeli).

Output:-



13. Did John have an ounce of roast beef? [Yes]

Input clause : have(_,roastbeef,ounce.). ["_" stands for "all"]



14. Could John carry the food he purchased? [Yes]

Input clause:

Carry(john,X) :- buys(X,cheesecake),bring(john,money).

Output:-