

5.prolog

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Ex No: 5

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Ex Name: Decision making and Knowledge Representation

likes(mary, food).

likes(mary, wine).

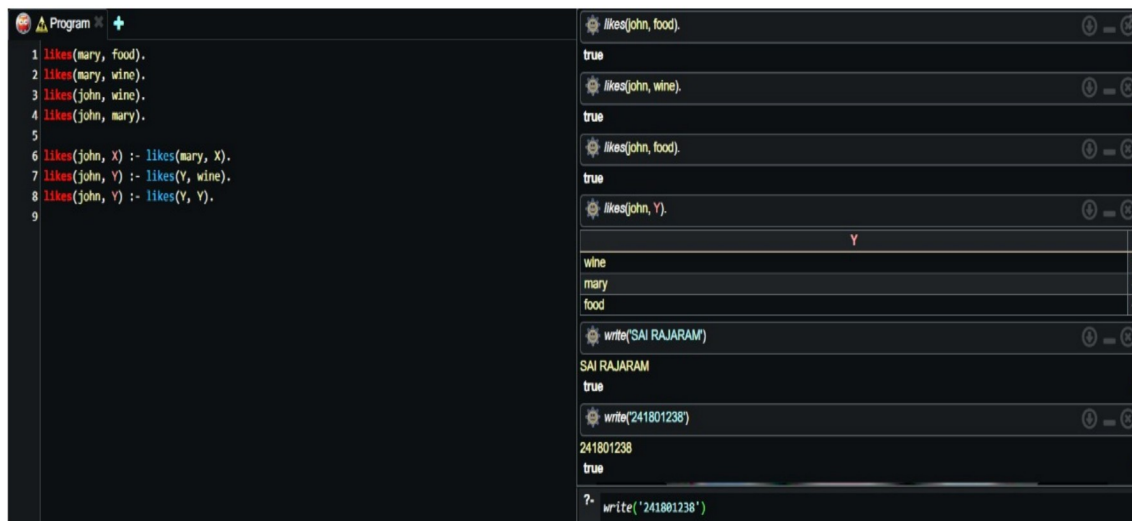
likes(john, wine).

likes(john, mary).

likes(john, X) :- likes(mary, X).

likes(john, Y) :- likes(Y, wine).

likes(john, Y) :- likes(Y, Y).



The screenshot shows a Prolog IDE with a program on the left and its execution results on the right. The program consists of the following lines:

```
1 likes(mary, food).
2 likes(mary, wine).
3 likes(john, wine).
4 likes(john, mary).
5
6 likes(john, X) :- likes(mary, X).
7 likes(john, Y) :- likes(Y, wine).
8 likes(john, Y) :- likes(Y, Y).
9
```

The execution results on the right show the following queries and their answers:

Query	Answer
likes(john, food).	true
likes(john, wine).	true
likes(john, food).	true
likes(john, Y).	Y
	wine
	mary
	food
write('SAI RAJARAM')	SAI RAJARAM
	true
write('241801238')	241801238
	true
write('241801238')	241801238