

QUIZ!

Quiz Stuff

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put your last name and NetID in the far upper left hand corner of the paper, **where a staple would hit it**. (It helps us sort quizzes!)

Mitchell, whm

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No need to write out questions. It's ok to abbreviate answers.

Numbering responses may help you avoid overlooking a question; it's ok to go ahead and pre-number your sheet.

3 minutes; 3 questions, 3 points.

Quiz 12, April 25, 2014

3 Minutes; 3 points

1. What does the following query output?

```
?- member(X, [1,2,3]), writeln(X), X = 2, !,  
   member(Y, [a,b,c]), writeln(Y), !, fail.
```

2. Write a query that prints "hello" an endless number of times.

3. What is the output of the following query?

```
?- assert(a(1)), retractall(a(2)), assert(a(2)), a(X),  
   writeln(X), fail.
```

Answers

Question 1:

?- member(X,[1,2,3]), writeln(X), X = 2, !,
member(Y,[a,b,c]), writeln(Y), !, fail.

1

2

a

false.

Question 2:

?- repeat, write(hello), fail.

Question 3:

?- dynamic(a/1).

true.

?- assert(a(1)), retractall(a(2)), assert(a(2)), a(X), writeln(X), fail.

1

2

false.