# START OF QUIZ
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# Question 1

Topic: Lecture 4
Source: Lecture 4

How would you describe the following sentence in FOL (you don't need to write the FOL statement - just describe how it would be structured)? While seeking revenge, dig two graves - one for your enemy, and one for yourself.

# Question 2

Topic: Lecture 1
Source: Lecture 1

What are the benefits of representing synonymy and hypernomy in a graph? Do you think there could be a better data structure or way of representing the information? Briefly explain. (2)

# Question 3

Topic: Lecture 2
Source: Lecture 2

How are tools like the General Inquirer or LIWC used to perform content analysis? (1)

# Question 4

Given that A is False, B is False, and C is False, list 3 complex statements that are true, and 2 that are false. (1)

# Question 5

In class, we went over some common OWL and RDFS constraints that we can place on predicates, but we only ever attached one. Can you think of any instances of bivariate (ie, two parameter) predicates that could use multiple constraints? If so, briefly describe the predicate and its constraints, and if not, briefly describe why this is unnecessary. (2)

# Question 6

Topic: Lecture 2
Source: Lecture 2

Describe why the "most frequent sense" baseline is so strong. What are some assumptions that it makes? (2)
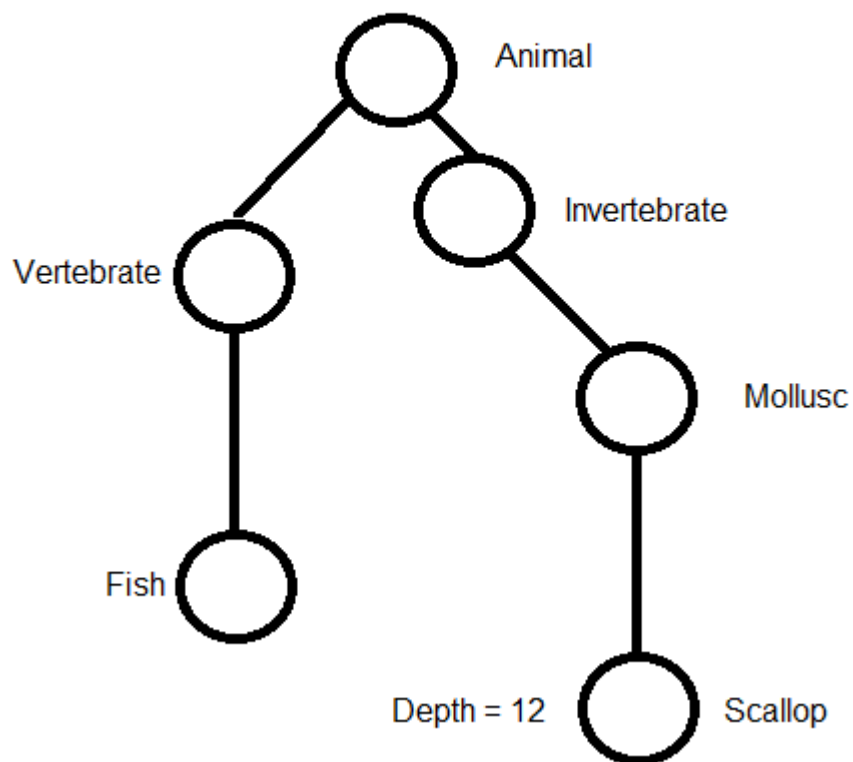
# Question 7

What is the Modus Ponens conclusion available from the following statements (if Modus Ponens does not apply, state so) Explain. Examples: A: Only humans attend University. B: Bill attends University; C: ?; A: All red cars are fast. B: Alice's car is blue. C: ?; A: Cheese is made from milk B: Mice like cheese. C: ?; A: Rain is necessary for plants to grow. B: It has not been raining. C: ? (1)

# Question 8

Topic: Lecture 1
Source: Lecture 1

Given the following tree, what is the WuP similarity between the two leaf nodes?

# Question 9

Write an FOL representation for the following sentences: Oranges are sweet, but some lemons are sweeter. Remakes of movies are always disappointing. Flying monkeys cannot exist. Not all cloudy days produce rain.

# END OF QUIZ