START OF QUIZ
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Question 1

Topic: Topic3
Source: Lecture 3

Describe the effect that negation has on other logical operators - specifically, conjunction, disjunction, existence, and universality. You don't need to write this in FOL - a couple sentences are fine.

Question 2

Topic: Topic2
Source: Lecture 2

What is the meaning of “One document, one sense” as it applies to Word Sense Disambiguation?

Question 3

Topic: Topic4
Source: Lecture 4

Some verbs in English can take either one or two objects (such as “see” - I see a bird vs. I see a bird with binoculars). Explain, in terms of lambda calculus, why we would need separate predicates for these different uses of “see”.

Question 4

Topic: Topic1
Source: Lecture 1

What is the relationship between sweet and sour?

Question 5

Topic: Topic4
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)? After climbing a great hill, one only finds that there are many more hills to climb.

Question 6

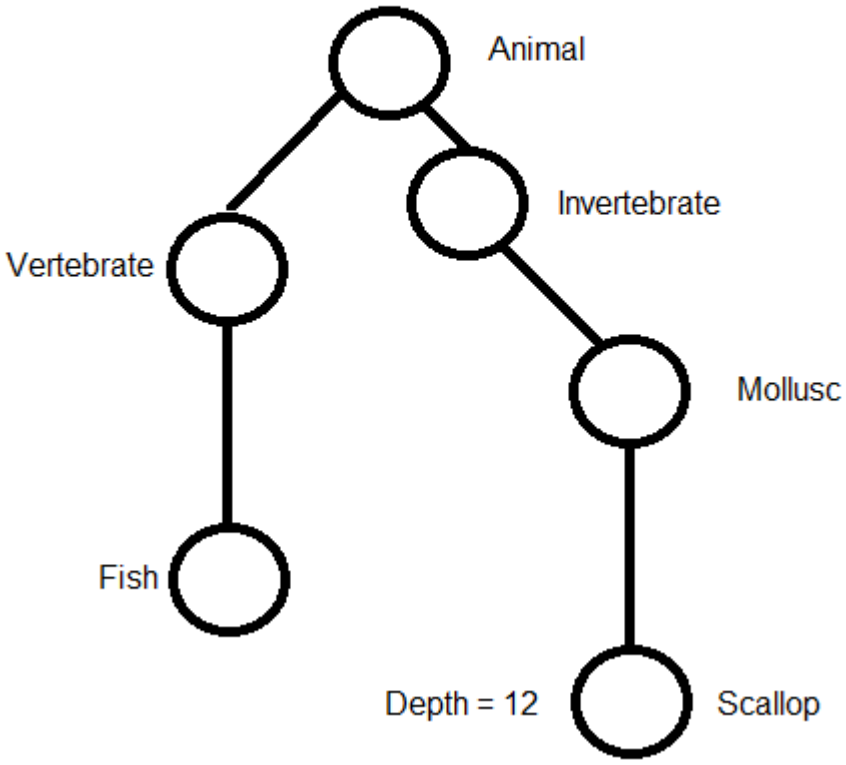
Topic: Topic3
Source: Lecture 3

Is implication transitive? That is, if A -> B, and B -> C, does A -> C? Explain.

Question 7

Topic: Topic1
Source: Lecture 1

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



Question 8

Topic: Topic2
Source: Lecture 2

Describe why the "most frequent sense" baseline is so strong. What are some assumptions that it makes?

Question 9

Topic: Coding
Source: Lecture 1

Write a function that sorts synonyms based on their Wu-Palmer similarity. ie, it takes a word as input, finds its synsets, and then sorts them by their WP similarity.

END OF QUIZ