

**START OF QUIZ**

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## Question 1

Topic: Topic4

Source: Lecture 4

What is the purpose of an ontology?

## Question 2

Topic: Topic2

Source: Lecture 2

What is the purpose of a dictionary gloss?

### Question 3

Topic: Topic3

Source: Lecture 3

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

## Question 4

Topic: Topic2

Source: Lecture 2

In class, I mentioned that we rarely do WSD explicitly, because we would need one model per word. In COLX 521, we saw that we could lemmatize words to reduce them to a common form. Why couldn't we do something similar (like reducing all synonyms to a common hypernym) for WSD?

## Question 5

Topic: Topic1

Source: Lecture 1

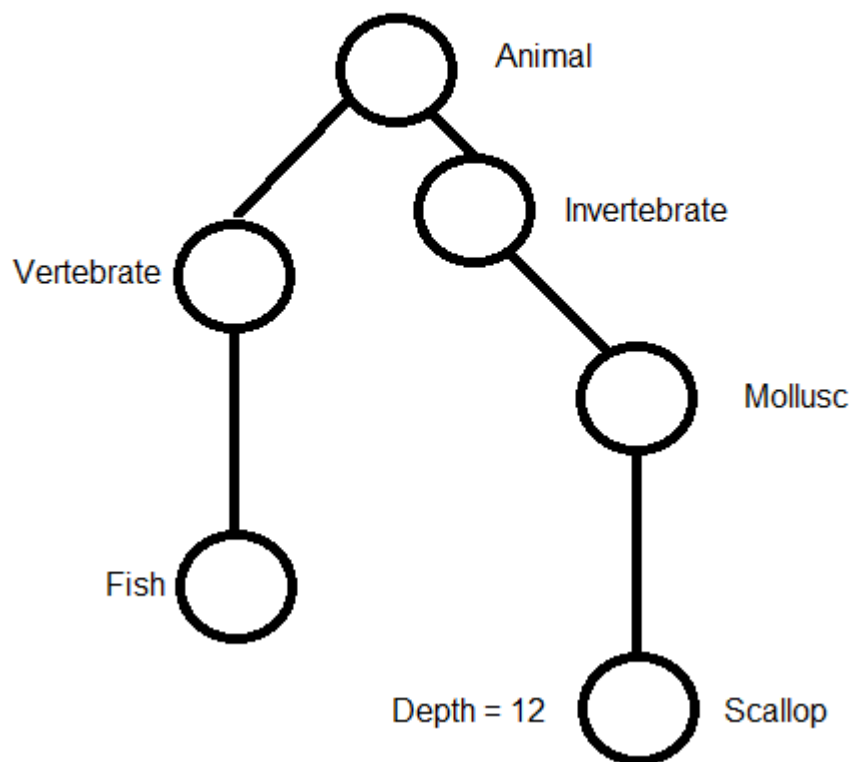
What is the relationship between a fruit and a banana?

## Question 6

Topic: Topic1

Source: Lecture 1

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



## Question 7

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 8

Topic: Topic3

Source: Lecture 3

Given the following ambiguous sentence, give both meanings in unambiguous FOL. Visiting friends can be annoying.

## Question 9

Topic: Coding

Source: Lecture 4

Give an example of 3 RDF statements, other than we described in class. (ie, an example of an inverse relationship is ...; an example of a transitive relationship is ...)

**END OF QUIZ**