START OF QUIZ
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Question 1

Topic: Topic2
Source: Lecture 2

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

Question 2

Topic: Topic4
Source: Lecture 4

We have a knowledge base that is represented as a graph and we are converting it to an FOL formula. If the nodes are all entities, what will the edges of the graph become in FOL? Be specific.

Question 3

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 4

Topic: Topic2
Source: Lecture 2

What is the underlying assumption of the Lesk Algorithm?

Question 5

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 6

Topic: Topic1
Source: Lecture 1

What is the relationship between a fruit and a banana?

Question 7

Topic: Topic1
Source: Lecture 1

Why are antonyms conditioned on lemmas, instead of synsets?

Question 8

Topic: Topic3
Source: Lecture 3

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

Question 9

Topic: Coding
Source: Lecture 4

Give an example of 3 OWL 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