

# START OF QUIZ

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## Question 1

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 2

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)? Before running, you must learn to walk.

### Question 3

Topic: Topic1

Source: Lecture 1

What is the relationship between roots and a tree?

## Question 4

Topic: Topic2

Source: Lecture 2

What is the purpose of a dictionary gloss?

## Question 5

Topic: Topic1

Source: Lecture 1

Should we lemmatize prior to looking up a word's sense? Why or why not?

## Question 6

Topic: Topic2

Source: Lecture 2

Describe how a seed lexicon can be used to perform semi-supervised WSD.

## Question 7

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 8

Topic: Topic3

Source: Lecture 3

Given the following ambiguous sentence, give both meanings in unambiguous FOL. I saw a bird with binoculars.

## 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**