START OF QUIZ
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Question 1

Topic: Topic1
Source: Lecture 1

What is the relationship between a book and a novel?

Question 2

Topic: Topic1
Source: Lecture 1

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

Question 3

Topic: Topic3
Source: Lecture 3

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

Question 4

Topic: Topic2
Source: Lecture 2

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

Question 5

In class, I mentioned that we rarely do WSD explicitly, becuse 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 6

Topic: Topic4
Source: Lecture 4

Why is FOL more expressive than ontologies (Description logics)? ie., what can FOL do that ontologies can't?

Question 7

Topic: Topic4
Source: Lecture 4

Make a brief argument about whether WordNet should be considered an ontology or a knowledge base.

Question 8

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 9

Write a function that transforms a sentence into a feature vector containing the following features: the first word before and after the word of interest that isn't a stopword, and any verbs in the sentence.

END OF QUIZ