

START OF QUIZ

Student ID:

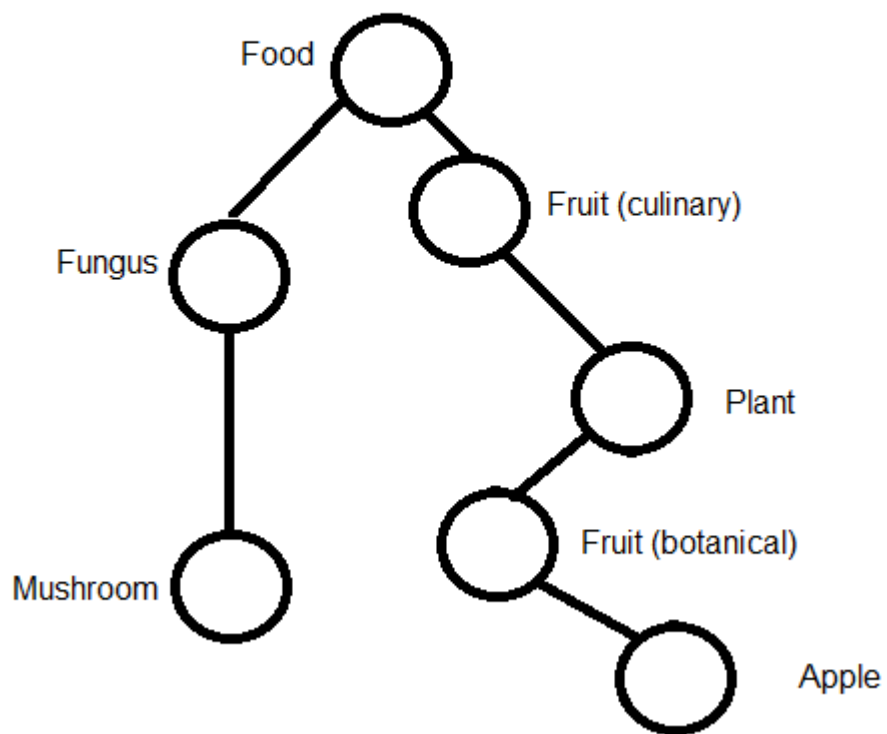
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Question 1

Topic: Topic1

Source: Lecture 1

Calculate the Wu-Palmer similarity for the following nodes: Apple and Fungus.



Question 2

Topic: Topic2

Source: Lecture 2

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

Question 3

Topic: Topic3

Source: Lecture 3

What is the Modus Ponens conclusion available from the following statements? If Modus Ponens does not apply, state so. It doesn't rain when it is sunny. It is cloudy.

Question 4

Topic: Topic3

Source: Lecture 3

Is implication transitive? That is, if $A \rightarrow B$, and $B \rightarrow C$, does $A \rightarrow C$? Explain.

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: Topic4

Source: Lecture 4

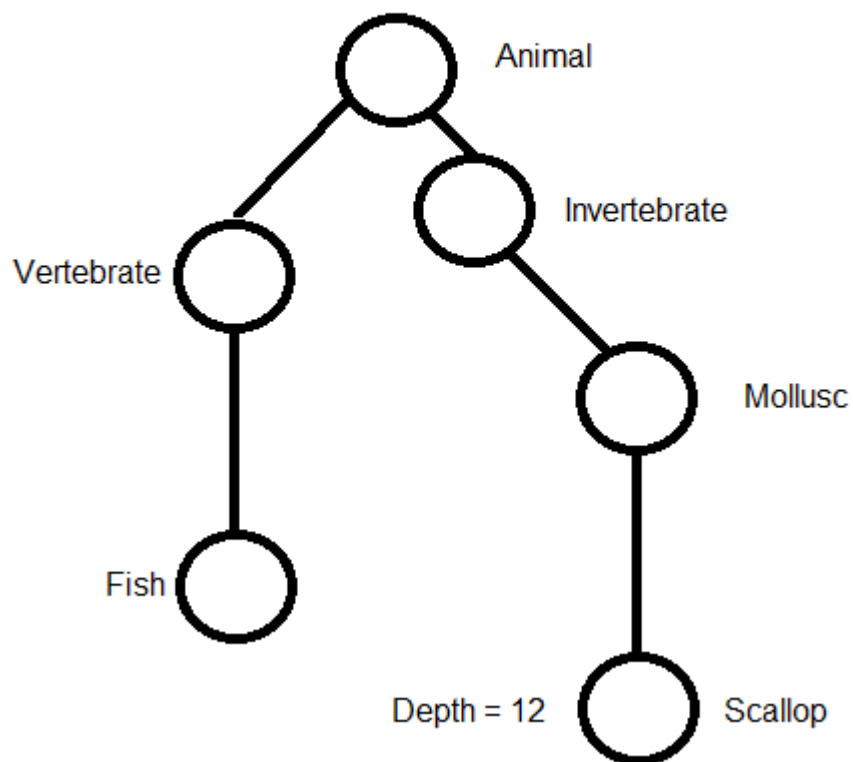
Make a brief argument about whether WordNet should be considered an ontology or a knowledge base.

Question 7

Topic: Topic1

Source: Lecture 1

Calculate the Wu-Palmer similarity for the following nodes: Fish and Mollusc.



Question 8

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 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