START OF QUIZ
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Question 1

Topic: Lecture 7
Source: Lecture 7

Why is datetime functionality necessary? That is, why can't we just use the date and time separately? (1)

Question 2

Topic: Lecture 8
Source: Lecture 8

What is distant supervision, and why can we apply it to social media? (1)

Question 3

Topic: Lecture 5
Source: Lecture 5

In class, we said that "fake" fake reviews are often too prototypical when they are generated by hand. Given the tools you're familiar with, how do you think we could generate fake reviews automatically? Do you think they would suffer from the same problem? (2)

Question 4

Topic: Lecture 8
Source: Lecture 8

What is code-switching, and why is it a problem for NLP? (1)

Question 5

Topic: Lecture 5
Source: Lecture 5

SVM ranking takes advantage of the fact that an ordinal problem can be transformed into a binary "larger than" problem by simple subtraction of feature vectors. It's typically done with a linear SVM. Do you think we could apply a similar trick with a neural model? Why or why not? (2)

Question 6

Topic: Lecture 7
Source: Lecture 7

Imagine that we had a strange representation of the date: "Year 23 in the 21st century on the 3rd day of March, at 11 minutes past 17". Using strptime, what is the format that we would need to provide to recognize this time? (1)

Question 7

Topic: Lecture 6
Source: Lecture 6

Briefly describe valence, arousal, and dominance, and how they are used in emotion detection. (1)

Question 8

Topic: Lecture 6
Source: Lecture 6

How does modeling author personality help in the detection of sentiment (think about how it might help us determine sarcasm or interpret reviews). (2)

Question 9

Topic: Coding
Source: Lecture 7

Imagine that you have gotten a long string of unstructured data, and you need to recognize and normalize dates and times in either YY(YY)/MM/DD, MM/DD/YY(YY), or [X]Day, Month Name Day of Month, Year format (ie. Monday, March 20, 2023 - this was actually part of a Capstone a few years ago). Write pseudocode to first identify a date in running text, and then to normalize it. (3)

END OF QUIZ