START OF QUIZ
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Question 1

Topic: Lecture 8
Source: Lecture 8

How is it that Eliza can use words / phrases that she doesn't have in her templates? (1)

Question 2

How does Bert deal with the potentially infinite vocabulary required to answer questions? (1)

Question 3

Topic: Lecture 7
Source: Lecture 7

How might we use SRL in the process of slot-filling? (1)

Question 4

Topic: Lecture 8
Source: Lecture 8

We waited until the last week of classes to talk about policy-making systems (like the one in ChatGPT), but several other systems you've looked at over the program could be considered to have a policy algorithm in place. Briefly describe one, and how you view it as a decision policy. (2)

Question 5

Topic: Lecture 6
Source: Lecture 6

Neural Q/A (even before ChatGPT) was significantly better than previous models. Beyond just the traditional benefits of deep learning that we know of, (such as longer dependencies, etc.), why is this the case? (2)

Question 6

Topic: Lecture 7
Source: Lecture 7

Many times when speaking to an ASR dialogue agent (like Alexa), I will try to correct her while she is speaking, and she will completely ignore me. Provide a reasonable explanation of why you think that is. (1)

Question 7

Topic: Lecture 6
Source: Lecture 6

For the ELQ algorithm, we talked about how the entity encoder typically takes the title and first 128 tokens of an encyclopedia article. Imagine we were building a database from books. What might we use as the input to the entity encoder that would have a similar effect. Explain. (2)

Question 8

Topic: Lecture 5
Source: Lecture 5

Bert accepts a single string as input, but Q/A requires a question and a potential source. Describe how we deal with this problem. (1)

Question 9

Topic: Long
Source: Lecture 5

Imagine that we are using a Q/A system for movie recommendation (by asking questions like "What is a good movie like Shawshank Redemption?"). Bert is likely not going to be sufficient to answer this question. Describe how you could modify the Bert Q/A reader to find good answers. (3)

END OF QUIZ