START OF QUIZ
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Question 1

Topic: Lecture 5
Source: Lecture 5

Explain why a good IR tool is necessary to perform Bert-based Q/A. (1)

Question 2

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 3

Topic: Lecture 6
Source: Lecture 6

Explain the purpose of mean reciprocal rank, and how it works. (1)

Question 4

Topic: Lecture 7
Source: Lecture 7

Imagine that we have a great dialogue Q/A system that can fill slots with ease, and return relevant answers with high probability. However, our ASR system is pretty bad (it does really poorly with accents that are not "General American"). The model was trained on standard English text. Describe a few of the errors you can imagine the system making, and how we can improve the quality of our model (assume we can't improve the ASR). (2)

Question 5

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 6

Topic: Lecture 7
Source: Lecture 7

Generate a frame for a “recommend a movie” dialogue action. It should have at least 5 slots to fill. (2)

Question 7

Topic: Lecture 6
Source: Lecture 6

What tools are necessary to extract an RDF triple from a question? Provide at least 2, and briefly explain. (1)

Question 8

Topic: Lecture 5
Source: Lecture 5

Jeopardy divides its questions into categories. Explain how this would help Watson improve the confidence in its answers. (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