

START OF QUIZ

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Question 1

Topic: Lecture 7

Source: Lecture 7

How might we use SRL in the process of slot-filling? (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 8

Source: Lecture 8

Imagine that we have a dialogue system trained with reinforcement learning. What part of a dialogue might result in a negative reward (ie, a penalty) to the system's policy algorithm?
(2)

Question 4

Topic: Lecture 7

Source: Lecture 7

How might we make Elize more robust (don't just say that you would have her use Chat-GPT's API). (1)

Question 5

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 6

Topic: Lecture 5

Source: Lecture 5

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

Question 7

Topic: Lecture 6

Source: Lecture 6

Provide a reasonable logical representation of the question “Who starred in Casablanca?” (1)

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: Coding

Source: Lecture 8

Imagine that I'm working with a client who wants a dialogue system that provides advice for his company. It has to fit on a phone, but might end up in regions with very limited cell service, so it has to be locally installed. We have limited memory (let's say 1Gb). How would we go about building such a tool? What are some questions we should ask the client? How would we provide the required functionality? Is it even possible? (3)

END OF QUIZ