START OF QUIZ
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Question 1

Topic: Lecture 7
Source: Lecture 7

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

Question 2

Topic: Lecture 5
Source: Lecture 5

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

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 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 5

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 6

Topic: Lecture 6
Source: Lecture 6

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

Question 7

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 8

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 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