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IBM C1000-185

IBM watsonx Generative AI Engineer - Associate



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Question: 1

In the context of developing a Retrieval-Augmented Generation (RAG) system, what is the function of an embedding model?

- A. The embedding model visualizes the retrieved documents in a multidimensional space for better comprehension.
- B. The embedding model generates output text based on the retrieved documents and represents them in a multidimensional vector space.
- C. The embedding model is used to translate the input text into the desired target language before the retrieval operation.
- D. The embedding model converts input queries into numerical representations to facilitate similarity matching during the retrieval process.

Answer: D

Question: 2

What does the Top K parameter control in the sampling decoding process?

- A. The number of highest probability tokens to consider for sampling.
- B. The cumulative probability threshold for sampling tokens.
- C. The random seed used to start the random number generator.
- D. The maximum temperature value for token sampling.

Answer: A

Question: 3

Which statement describes an AI agent, as compared to a traditional generative AI application?

- A. It ensures the AI system only works in strictly pre-programmed workflows.
- B. It focuses exclusively on multimodal input (text, image, audio) and matching output.
- C. It is a system where the model can plan, take actions, and interact with tools to achieve goals.
- D. It distributes LLM inferencing across servers to optimize for generative AI applications on edge devices.

Answer: C

Question: 4

In Data Refinery, which two charts show the frequency distribution of data?

- A. Bubble
- B. Histogram
- C. Scatter plot
- D. Circle packing
- E. Population pyramid

Answer: B,E

Question: 5

When using the API client to manage generative AI assets, what is the function of the following statement:

```
client.set.default_project(project_id)
```

- A. It initializes the API Client with the given project ID.
- B. It defines the project ID as a global variable for all functions.
- C. It automatically retrieves the project ID from an environment variable.
- D. It sets the specified project ID as the default project for all subsequent API calls.

Answer: D

Question: 6

In watsonx.ai, how does increasing the repetition penalty impact the generated text?

- A. The text becomes shorter and more concise.
- B. The text becomes more diverse and less repetitive.
- C. The text becomes more formal and less conversational.
- D. The text becomes more focused and less prone to going off-topic.

Answer: B

Question: 7

How are complex AI tasks handled in Agentic AI RAG workflows?

- A. All tasks are executed simultaneously without segmentation
- B. Workflows are restricted to predefined, non-customizable steps
- C. Tasks are routed directly to external tools without intermediate coordination
- D. Complex tasks are broken down into smaller, manageable steps for coordinated execution

Answer: D

Question: 8

Which statement is correct about the config.json file in the foundation model content folder?

- A. It is required to load the model in the Text Generation Inference Server (TGIS) runtime.
- B. It is required to store the model tensors safely.
- C. It is required to activate the model's Tokenizer.encode or Tokenizer.decode.
- D. The config.json is not required.

Answer: A

Question: 9

How does model quantization reduce compute resources and increase the speed of inferences?

- A. By reducing the precision of the input vectors.
- B. By reducing the precision of the model weights.
- C. By increasing the precision of the model weights.
- D. By increasing the precision of the input vectors.

Answer: B

Question: 10

Which machine learning approach divides an AI model into subnetworks, each specializing in a subset of the input data to collaboratively perform a task?

- A. Transformer model
- B. Variational autoencoders
- C. Multi-Point Crossover
- D. Mixture of experts

Answer: D

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