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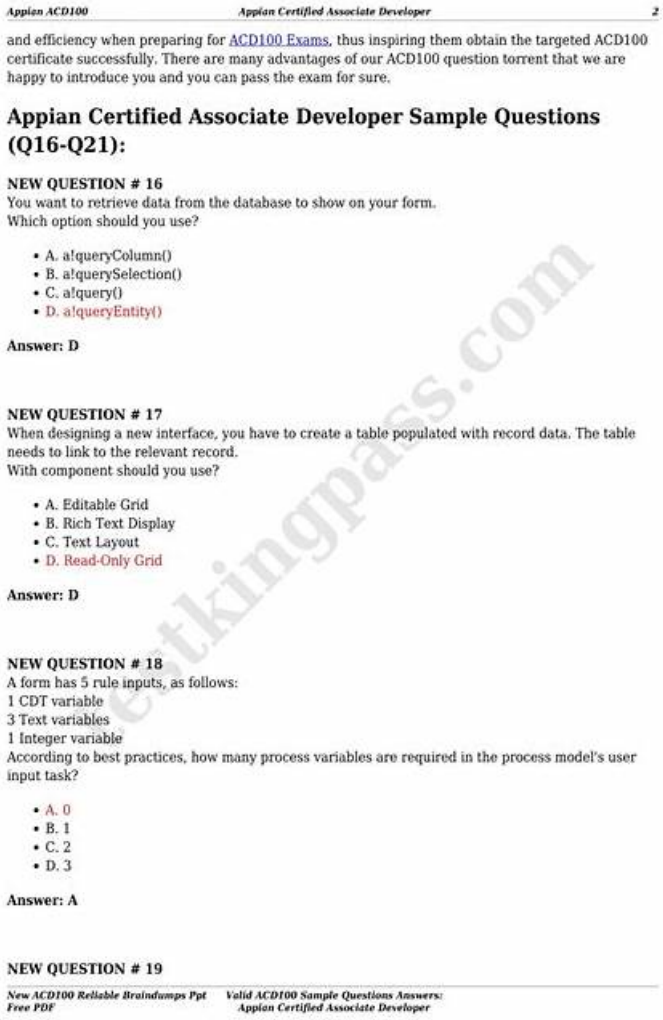

Appian ACD100 Appian Certified Associate Developer 2

and efficiency when preparing for ACD100 Exams, thus inspiring them obtain the targeted ACD100 certificate successfully. There are many advantages of our ACD100 question torrent that we are happy to introduce you and you can pass the exam for sure.

**Appian Certified Associate Developer Sample Questions (Q16-Q21):**

**NEW QUESTION # 16**
You want to retrieve data from the database to show on your form.
Which option should you use?

- A. a!queryColumn()
- B. a!querySelection()
- C. a!query()
- D. a!queryEntity()

**Answer: D**

**NEW QUESTION # 17**
When designing a new interface, you have to create a table populated with record data. The table needs to link to the relevant record.
With component should you use?

- A. Editable Grid
- B. Rich Text Display
- C. Text Layout
- D. Read-Only Grid

**Answer: D**

**NEW QUESTION # 18**
A form has 5 rule inputs, as follows:
1 CDT variable
3 Text variables
1 Integer variable
According to best practices, how many process variables are required in the process model's user input task?

- A. 0
- B. 1
- C. 2
- D. 3

**Answer: A**

**NEW QUESTION # 19**

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Life is short for each of us, and time is precious to us. Therefore, modern society is more and more pursuing efficient life, and our NCA-GENL Study Materials are the product of this era, which conforms to the development trend of the whole era. It seems that we have been in a state of study and examination since we can remember, and we have experienced countless tests, including the qualification examinations we now face. In the process of job hunting, we are always asked what are the achievements and what certificates have we obtained?

## NVIDIA NCA-GENL Exam Syllabus Topics:

| Topic | Details |
|---|---|
| Topic 1 | • Prompt Engineering: This section of the exam measures the skills of Prompt Designers and covers how to craft effective prompts that guide LLMs to produce desired outputs. It focuses on prompt strategies, formatting, and iterative refinement techniques used in both development and real-world applications of LLMs. |

| | |
|---|---|
| Topic 2 | • Fundamentals of Machine Learning and Neural Networks: This section of the exam measures the skills of AI Researchers and covers the foundational principles behind machine learning and neural networks, focusing on how these concepts underpin the development of large language models (LLMs). It ensures the learner understands the basic structure and learning mechanisms involved in training generative AI systems. |
| Topic 3 | • This section of the exam measures skills of AI Product Developers and covers how to strategically plan experiments that validate hypotheses, compare model variations, or test model responses. It focuses on structure, controls, and variables in experimentation. |
| Topic 4 | • Python Libraries for LLMs: This section of the exam measures skills of LLM Developers and covers using Python tools and frameworks like Hugging Face Transformers, LangChain, and PyTorch to build, fine-tune, and deploy large language models. It focuses on practical implementation and ecosystem familiarity. |
| Topic 5 | • Data Preprocessing and Feature Engineering: This section of the exam measures the skills of Data Engineers and covers preparing raw data into usable formats for model training or fine-tuning. It includes cleaning, normalizing, tokenizing, and feature extraction methods essential to building robust LLM pipelines. |
| Topic 6 | • Alignment: This section of the exam measures the skills of AI Policy Engineers and covers techniques to align LLM outputs with human intentions and values. It includes safety mechanisms, ethical safeguards, and tuning strategies to reduce harmful, biased, or inaccurate results from models. |
| Topic 7 | • Experimentation: This section of the exam measures the skills of ML Engineers and covers how to conduct structured experiments with LLMs. It involves setting up test cases, tracking performance metrics, and making informed decisions based on experimental outcomes.: |
| Topic 8 | • LLM Integration and Deployment: This section of the exam measures skills of AI Platform Engineers and covers connecting LLMs with applications or services through APIs, and deploying them securely and efficiently at scale. It also includes considerations for latency, cost, monitoring, and updates in production environments. |
| Topic 9 | • Data Analysis and Visualization: This section of the exam measures the skills of Data Scientists and covers interpreting, cleaning, and presenting data through visual storytelling. It emphasizes how to use visualization to extract insights and evaluate model behavior, performance, or training data patterns. |



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The NVIDIA Practice Test engine included with NCA-GENL exam questions simulates the actual NCA-GENL examinations. This is excellent for familiarizing yourself with the NVIDIA Generative AI LLMs and learning what to expect on test day. You may also use the NVIDIA NCA-GENL online practice test engine to track your progress and examine your answers to determine where you need to improve on the NCA-GENL exam.

## NVIDIA Generative AI LLMs Sample Questions (Q77-Q82):

**NEW QUESTION # 77**
Which of the following claims is correct about TensorRT and ONNX?

- A. TensorRT is used for model deployment and ONNX is used for model creation.
- B. TensorRT is used for model deployment and ONNX is used for model interchange.
- C. TensorRT is used for model creation and ONNX is used for model deployment.
- D. TensorRT is used for model creation and ONNX is used for model interchange.

**Answer: B**

Explanation:
NVIDIA TensorRT is a deep learning inference library used to optimize and deploy models for high- performance inference, while ONNX (Open Neural Network Exchange) is a format for model interchange, enabling models to be shared across different frameworks, as covered in NVIDIA's Generative AI and LLMs course. TensorRT optimizes models (e.g., via layer fusion and quantization) for deployment on NVIDIA GPUs, while ONNX ensures portability by providing a standardized model representation. Option B is incorrect, as ONNX is not used for model creation but for interchange. Option C is wrong, as TensorRT is not for model creation but optimization and deployment. Option D is inaccurate, as ONNX is not for deployment but for model sharing. The course notes: "TensorRT optimizes and deploys deep learning models for inference, while ONNX enables model interchange across frameworks for portability." References: NVIDIA Building Transformer-Based Natural Language Processing Applications course; NVIDIA Introduction to Transformer-Based Natural Language Processing.

**NEW QUESTION # 78**
What are some methods to overcome limited throughput between CPU and GPU? (Pick the 2 correct responses)

- A. Upgrade the GPU to a higher-end model.
- B. Increase the clock speed of the CPU.
- C. Increase the number of CPU cores.
- D. Using techniques like memory pooling.

**Answer: A,D**

Explanation:
Limited throughput between CPU and GPU often results from data transfer bottlenecks or inefficient resource utilization. NVIDIA's documentation on optimizing deep learning workflows (e.g., using CUDA and cuDNN) suggests the following:
* Option B: Memory pooling techniques, such as pinned memory or unified memory, reduce data transfer overhead by optimizing how data is staged between CPU and GPU.
References:
NVIDIA CUDA Documentation: https://docs.nvidia.com/cuda/cuda-c-programming-guide/index.html NVIDIA GPU Product Documentation:https://www.nvidia.com/en-us/data-center/products/

**NEW QUESTION # 79**
In the context of preparing a multilingual dataset for fine-tuning an LLM, which preprocessing technique is most effective for handling text from diverse scripts (e.g., Latin, Cyrillic, Devanagari) to ensure consistent model performance?

- A. Removing all non-Latin characters to simplify the input.
- B. Converting text to phonetic representations for cross-lingual alignment.
- C. Applying Unicode normalization to standardize character encodings.
- D. Normalizing all text to a single script using transliteration.

**Answer: C**

Explanation:
When preparing a multilingual dataset for fine-tuning an LLM, applying Unicode normalization (e.g., NFKC or NFC forms) is the most effective preprocessing technique to handle text from diverse scripts like Latin, Cyrillic, or Devanagari. Unicode normalization standardizes character encodings, ensuring that visually identical characters (e.g., precomposed vs. decomposed forms) are represented consistently, which improves model performance across languages. NVIDIA's NeMo documentation on multilingual NLP preprocessing recommends Unicode normalization to address encoding inconsistencies in diverse datasets. Option A (transliteration) may lose linguistic nuances. Option C (removing non-Latin characters) discards critical information. Option D (phonetic conversion) is impractical for text-based LLMs.
References:
NVIDIA NeMo Documentation: https://docs.nvidia.com/deeplearning/nemo/user-guide/docs/en/stable/nlp/intro.html

**NEW QUESTION # 80**
In the transformer architecture, what is the purpose of positional encoding?

- A. To remove redundant information from the input sequence.
- B. To add information about the order of each token in the input sequence.

- C. To encode the semantic meaning of each token in the input sequence.
- D. To encode the importance of each token in the input sequence.

**Answer: B**

Explanation:
Positional encoding is a vital component of the Transformer architecture, as emphasized in NVIDIA's Generative AI and LLMs course. Transformers lack the inherent sequential processing of recurrent neural networks, so they rely on positional encoding to incorporate information about the order of tokens in the input sequence. This is typically achieved by adding fixed or learned vectors (e.g., sine and cosine functions) to the token embeddings, where each position in the sequence has a unique encoding. This allows the model to distinguish the relative or absolute positions of tokens, enabling it to understand word order in tasks like translation or text generation. For example, in the sentence "The cat sleeps," positional encoding ensures the model knows "cat" is the second token and "sleeps" is the third. Option A is incorrect, as positional encoding does not remove information but adds positional context. Option B is wrong because semantic meaning is captured by token embeddings, not positional encoding. Option D is also inaccurate, as the importance of tokens is determined by the attention mechanism, not positional encoding. The course notes: "Positional encodings are used in Transformers to provide information about the order of tokens in the input sequence, enabling the model to process sequences effectively." References: NVIDIA Building Transformer-Based Natural Language Processing Applications course; NVIDIA Introduction to Transformer-Based Natural Language Processing.

**NEW QUESTION # 81**
Which tool would you use to select training data with specific keywords?

- A. ActionScript
- B. Regular expression filter
- C. JSON parser
- D. Tableau dashboard

**Answer: B**

Explanation:
Regular expression (regex) filters are widely used in data preprocessing to select text data containing specific keywords or patterns. NVIDIA's documentation on data preprocessing for NLP tasks, such as in NeMo, highlights regex as a standard tool for filtering datasets based on textual criteria, enabling efficient data curation. For example, a regex pattern like .*keyword.* can select all texts containing "keyword." Option A (ActionScript) is a programming language for multimedia, not data filtering. Option B (Tableau) is for visualization, not text filtering. Option C (JSON parser) is for structured data, not keyword-based text selection.
References:
NVIDIA NeMo Documentation: https://docs.nvidia.com/deeplearning/nemo/user-guide/docs/en/stable/nlp
/intro.html

**NEW QUESTION # 82**
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