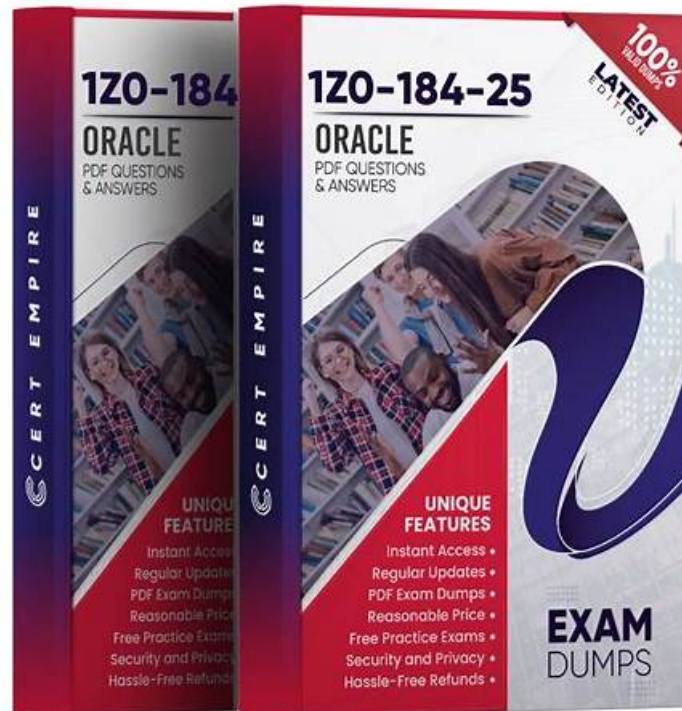


Oracle 1Z0-184-25 Questions–Reduce Your Chance of Failure [2025]



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Accelerate Your Exam Preparation With Oracle 1Z0-184-25 Exam Questions

The majority of people encounter the issue of finding extraordinary Oracle 1Z0-184-25 exam dumps that can help them prepare for the actual Oracle AI Vector Search Professional exam. They strive to locate authentic and up-to-date Oracle 1Z0-184-25 Practice Questions for the Oracle 1Z0-184-25 exam, which is a tough ask.

Oracle 1Z0-184-25 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> • Understand Vector Fundamentals: This section of the exam measures the skills of Data Engineers in working with vector data types for storing embeddings and enabling semantic queries. It covers vector distance functions and metrics used in AI vector search. Candidates must demonstrate proficiency in performing DML and DDL operations on vectors to manage data efficiently.
Topic 2	<ul style="list-style-type: none"> • Leveraging Related AI Capabilities: This section evaluates the skills of Cloud AI Engineers in utilizing Oracle's AI-enhanced capabilities. It covers the use of Exadata AI Storage for faster vector search, Select AI with Autonomous for querying data using natural language, and data loading techniques using SQL Loader and Oracle Data Pump to streamline AI-driven workflows.
Topic 3	<ul style="list-style-type: none"> • Using Vector Indexes: This section evaluates the expertise of AI Database Specialists in optimizing vector searches using indexing techniques. It covers the creation of vector indexes to enhance search speed, including the use of HNSW and IVF vector indexes for performing efficient search queries in AI-driven applications.
Topic 4	<ul style="list-style-type: none"> • Performing Similarity Search: This section tests the skills of Machine Learning Engineers in conducting similarity searches to find relevant data points. It includes performing exact and approximate similarity searches using vector indexes. Candidates will also work with multi-vector similarity search to handle searches across multiple documents for improved retrieval accuracy.
Topic 5	<ul style="list-style-type: none"> • Building a RAG Application: This section assesses the knowledge of AI Solutions Architects in implementing retrieval-augmented generation (RAG) applications. Candidates will learn to build RAG applications using PL • SQL and Python to integrate AI models with retrieval techniques for enhanced AI-driven decision-making.

Oracle AI Vector Search Professional Sample Questions (Q49-Q54):

NEW QUESTION # 49

When generating vector embeddings for a new dataset outside of Oracle Database 23ai, which factor is crucial to ensure meaningful similarity search results?

- A. The storage format of the new dataset (e.g., CSV, JSON)
- B. The physical location where the vector embeddings are stored
- C. The choice of programming language used to process the dataset (e.g., Python, Java)
- **D. The same vector embedding model must be used for vectorizing the data and creating a query vector**

Answer: D

Explanation:

Meaningful similarity search relies on the consistency of the vector space in which embeddings reside. Vector embeddings are generated by models (e.g., BERT, SentenceTransformer) that map data into a high-dimensional space, where proximity reflects semantic similarity. If different models are used for the dataset and query vector, the embeddings will be in incompatible spaces, rendering distance metrics (e.g., cosine, Euclidean) unreliable. The programming language (A) affects implementation but not the semantic consistency of embeddings-Python or Java can use the same model equally well. The physical storage location (B) impacts accessibility and latency but not the mathematical validity of similarity comparisons. The storage format (C) influences parsing and ingestion but does not determine the embedding space. Oracle 23ai's vector search framework explicitly requires the same embedding model for data and queries to ensure accurate results, a principle that applies universally, even outside the database.

NEW QUESTION # 50

Which operation is NOT permitted on tables containing VECTOR columns?

- A. UPDATE
- B. DELETE
- **C. JOIN ON VECTOR columns**
- D. SELECT

Answer: C

Explanation:

In Oracle 23ai, tables with VECTOR columns support standard DML operations: SELECT (A) retrieves data, UPDATE (B) modifies rows, and DELETE (C) removes rows. However, JOIN ON VECTOR columns (D) is not permitted because VECTOR isn't a relational type for equality comparison; it's for similarity search (e.g., via VECTOR_DISTANCE). Joins must use non-VECTOR columns. Oracle's SQL reference restricts VECTOR to specific operations, excluding direct joins.

NEW QUESTION # 51

You are tasked with finding the closest matching sentences across books, where each book has multiple paragraphs and sentences. Which SQL structure should you use?

- A. GROUP BY with vector operations
- B. FETCH PARTITIONS BY clause
- C. A nested query with ORDER BY
- D. Exact similarity search with a single query vector

Answer: C

Explanation:

Finding the closest matching sentences across books involves comparing a query vector to sentence vectors stored in a table (e.g., columns: book_id, sentence, vector). A nested query with ORDER BY (A) is the optimal SQL structure: an inner query computes distances (e.g., SELECT sentence, VECTOR_DISTANCE(vector, :query_vector, COSINE) AS score FROM sentences), and the outer query sorts and limits results (e.g., SELECT * FROM (inner_query) ORDER BY score FETCH FIRST 5 ROWS ONLY). This ranks sentences by similarity, leveraging Oracle's vector capabilities efficiently, especially with an index. Option B (exact search) describes a technique, not a structure, and a full scan is slow without indexing-lacking specificity here. Option C (GROUP BY) aggregates (e.g., by book), not ranks individual sentences, missing the "closest" goal. Option D (FETCH PARTITIONS BY) isn't a valid clause; it might confuse with IVF partitioning, but that's index-related, not query syntax. The nested structure allows flexibility (e.g., adding WHERE clauses) and aligns with Oracle's vector search examples, ensuring both correctness and scalability-crucial when books yield thousands of sentences.

NEW QUESTION # 52

What is the first step in setting up the practice environment for Select AI?

- A. Create a new user account with elevated privileges
- B. Optionally create an OCI compartment
- C. Drop any compartment that does not use OCI Generative AI
- D. Create a policy to enable access to OCI Generative AI

Answer: B

Explanation:

Select AI in Oracle Database 23ai enables natural language queries by integrating with OCI Generative AI services. The first step in setting up the practice environment is to optionally create an OCI compartment (A), which organizes and isolates resources in Oracle Cloud Infrastructure (OCI). This is foundational because subsequent steps-like defining policies or configuring the Autonomous Database-depend on a compartment structure, though an existing compartment can be reused, making it optional. Creating a policy (B) is a subsequent step to grant access to OCIGenerative AI, requiring a compartment first. Dropping compartments (C) is irrelevant and disruptive. Creating a user account (D) is not specified as the initial step in Select AI setup. Oracle's Select AI documentation lists compartment setup as the starting point in OCI configuration.

NEW QUESTION # 53

Which function should you use to determine the storage format of a vector?

- A. VECTOR_NORM
- B. VECTOR_EMBEDDING
- C. VECTOR_DIMENSION_FORMAT
- D. VECTOR_CHUNKS

Answer: C

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