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Next item →

1. Which of the following features of a Vector Store-Based Retriever makes it simple to understand?

1 / 1 point

- ☒ It queries an existing vector store.
- ☐ It is not dependent on a specific data training set
- ☐ It can handle ambiguity.
- ☐ It possesses domain-specific knowledge.

✔ Correct

The Vector Store-Based Retriever is simple to understand because it queries an existing vector store and does not require an LLM to retrieve the most similar chunks.

2. _____ is a technique used by the Vector Store-Based Retriever to balance the relevance and diversity of retrieved results.

1 / 1 point

- ☐ Similarity search
- ☒ Maximum marginal relevance (MMR) retrieval
- ☐ Similarity score threshold retrieval
- ☐ Self-query retrieval

✔ Correct

MMR selects documents that are relevant to the query and minimally similar to previously selected documents to avoid redundancy and ensures a more comprehensive coverage.

3. One of the key differences between retrieval-augmented generation (RAG) and fine-tuning is:

1 / 1 point

- ☐ When knowledge is updated, RAG has to be retrained; however, fine-tuning allows dynamic responses.
- ☐ RAG works for well-defined tasks and fine-tuning for broad domains.
- ☒ RAG is more adaptable than fine-tuning.
- ☐ RAG requires extensive training as compared to fine-tuning.

✔ Correct

Fine-tuning is highly specialized for a particular domain, whereas RAG is more flexible, as it can retrieve information from various domains without retraining.