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Final Exam

Question 1

The only true statement was:

- **Creating an ascending index on a monotonically increasing value creates index keys on the right-hand side of the index tree.**

Let's take a look at why each of the other statements are false:

- **You can index multiple array fields in a single document with a single compound index.**

  Multikey indexes allow us to index on array fields, but they do not support indexes on multiple array fields on single documents.

- **Covered queries can sometimes still require some of your documents to be examined.**

  A query is covered if and only if it can be satisfied using the keys of the index.

- **Write concern has no impact on write latency.**

  Different write concerns can certainly impact your write latency. Write concerns that only need acknowledgment from a primary are generally faster than ones that need acknowledgment from a majority of replica set members.

- **A collection scan has a logarithmic search time.**

  No, collection scans have a **linear** search time.

Proceed to next section