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Quiz 14

Section 402

1. **d) Document oriented.** Documents contain key value pairs and can have other documents imbedded in them.
2. **e) All of the above.** These features are what have made MongoDB a very popular choice for NoSQL databases.
3. **d) The dot concatenation of the database name and the collection name.** The database name is on the left and collection on the right.
4. **d) All of the above**. MongoDB is designed to be flexible and need as little retraining/learning to use as possible
5. **b) MongoDB supports atomicity on single document**
6. **b) MongoDB does not support the relational concept**. Other documents can be referenced or embedded but they are not truly foreign keys.
7. **d) MongoDB utilizes a variable amount of RAM, and** This allows mongo to be efficient and very scalable
8. **d) All of the above.** Mongo is only atomic for single document operations and doesn’t adhere to strict consistency it only aims for eventually consistent. It also writes to the disk lazily which allows for better performance when the database is being heavily used.
9. **b) ObjectID which consists of a 12-byte BSON type.**
10. **c) Indexes support efficient execution of queries in** MongoDB uses the binary representation to make execution faster and can also go into nested documents. BSON doesn’t have to scan through every field.
11. **c) A query in which the fields used in the query are part of an index used in the query and the fields returned in the results are in the same index**.Covered queries are faster since MongoDB doesn’t need to look inside the document to return the result.
12. **b) Create an index of the content inside the text string**. This index must be manually created and allows for searching within the stated fields.
13. **b) Replication is the process of synchronizing data**
14. **c) The primary replica set.** The write is executed on the primary server then propagates to the secondary.
15. **d) All of the above**. Embedding documents allows relationships to be illustrated while increasing performance since only one query is needed to retrieve the data.