

# MongoDB Interview Questions & Answers

## 1. What is MongoDB?

Answer: NoSQL document-oriented database.

## 2. Difference between SQL and NoSQL?

Answer: SQL: relational; NoSQL: non-relational.

## 3. What is a document in MongoDB?

Answer: Data stored in BSON format, similar to JSON.

## 4. What is a collection?

Answer: Group of MongoDB documents.

## 5. Explain \_id field.

Answer: Unique identifier for each document.

## 6. What is replication in MongoDB?

Answer: Multiple copies of data for high availability.

## 7. What is sharding?

Answer: Horizontal partitioning of data across servers.

## 8. What are indexes?

Answer: Optimize queries for faster retrieval.

## 9. Explain aggregation framework.

Answer: Pipeline operations to process data.

## 10. What is MongoDB schema?

Answer: Optional structure for documents.

## 11. Difference between embedded and referenced documents?

Answer: Embedded: nested; Referenced: linked by id.

## 12. What is capped collection?

Answer: Fixed-size collection with insertion order preserved.

## 13. Explain GridFS.

Answer: Store large files in chunks.

**14. Difference between find() and findOne().**

Answer: find(): multiple docs; findOne(): single doc.

**15. What is TTL index?**

Answer: Automatically deletes documents after a time.

**16. Explain update operators.**

Answer: \$set, \$inc, \$push, etc.

**17. What is Mongo shell?**

Answer: Interactive JavaScript interface for DB.

**18. What is change stream?**

Answer: Watch for real-time changes in data.

**19. What is MongoDB Atlas?**

Answer: Cloud-hosted MongoDB service.

**20. What is a replica set?**

Answer: Group of mongod instances for redundancy and failover.