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Peer-Graded Final Assignment Final Quiz Quiz: Final Quiz
20 questions Course Wrap-Up

Due Aug 6, 11:59 PM EDT Final Quiz 1. Which situation is best for a combined NoSQL and relational database solution? Data is largely unstructured. 99:08 Fast scaling and transaction support Submit your assignment Need flexible schema **Due** Aug 6, 11:59 PM EDT **Attempts** 3 every 24 hours Full data consistency and complicated joins Receive grade Your grade To Pass 80% or higher ∠⁷ Expand 🖒 Like 😽 Dislike 🏳 Report an issue 2. Which of the following is an advantage of partitioning and storing redundant data? Data does not need to be synchronized. If one node fails it can be retrieved elsewhere. Oncurrency control Secure synchronization ∠ Z Expand 3. In the BASE model what does it mean for data to be in a "soft state"? The data store values availability over consistency. The availability of data is ensured by partitioning it. The data store is accessible at all times. Oifferent replicas do not need to be mutually consistent all the time. ∠⁷ Expand **4.** Which trait is the most common to all of the four types of NoSQL databases? They are non-relational. They use Key-Value pairs for queries. They are indexed. They are partitioned. ∠⁷ Expand 5. Which of the following was the biggest driving factor for the development of NoSQL databases? Their ability to scale easily. The need to offload the administration and maintenance from the end us The need to query big data. The need for simpler application development. ∠⁷ Expand **6.** In MongoDB, which of the following common aggregation stages takes the outcome from the previous stage and stores it in a target collection? \$merge \$project \$count ○ \$sort ∠⁷ Expand 7. True or False: MongoDB supports rapidly changing schemas. True O False u^{\nearrow} Expand 8. Which Python data structure is most similar to a document? O A tuple A string An object A dictionary ∠ ZExpand 9. Which of the following is a distinguishing characteristic of a compound index in MongoDB? When a single index structure holds reference to more than one field When the index is stored in a particular order When you create an index for the most frequent queries When an index helps you to quickly locate data without looking for it ev€ ∠ Expand 10. What is the primary purpose of replication? It increases throughput by directing queries to relevant partitions. If one server fails, you still have multiple copies of the data present. It prevents you from accidentally deleting data. It allows you to partition large data sets. u Expand 11. What would you most likely use blobs for in Cassandra Query Language (CQL)? O Storing a high range of integers Storing key-value pairs Storing multimedia objects Representing encoded strings ∠⁷ Expand 12. Which of the following statements is true about the default WRITE statements in Cassandra Query Language Every WRITE operation creates a new file called SSTable. They are slower than INSERT and UPDATE statements. Data is optimized using compaction after a WRITE operation. It doesn't locate and read data before executing a WRITE. 13. Select three key features used by relational databases but not by Cassandra. join support, aggregation support, scalable onsistency, distributed, scalable join support, aggregation support, transaction support distributed, scalable, fault tolerant ∠ Z Expand 14. What are the two primary functions of a "partition key"? Select two. It optimizes the read performance of queries. It adds uniqueness to each entry in a table. It specifies the order that the data is arranged in inside the partition. It determines the location of the data in a cluster. ∠ Expand 15. What does "decentralized" mean? Each computer in the Cassandra cluster can act as a server for the othe server. Clusters can be run on multiple machines while to the users and applica Stored data in Cassandra is separated into pieces that run on different s Each node in a Cassandra cluster is identical to the other nodes. ∠ Expand 16. When you create a new IBM Cloudant database, what do you need to select? The partitioning type The curl command line tool The number of documents The replication type ∠ Expand 17. Which of the following are valid HTTP methods used in curl for managing IBM Cloudant databases? GET, PUT, POST, RETRIEVE GET, POST, DELETE, DROP GET, CURL, PUT, POST GET, PUT, POST, DELETE ∠ Expand **18.** How are IBM Cloudant documents stored? As files As tables As objects As JSON ∠⁷ Expand 19. How do users get routed to a data center? At random Closest geographical location With an algorithm that optimizes time vs. distance With ping timing ∠⁷ Expand 20. What is the IBM Cloudant Query equivalent of the WHERE clause in SQL? ok":true find -find

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