Quiz Submissions - Quiz 10	X
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Attempt 1	
Written: Aug 4, 2021 7:17 PM - Aug 4, 2021 7:51 PM	
Submission View	
Released: Aug 5, 2021 6:42 AM	
Question 1	1 / 1 point
The CAP theorem states that a distributed system must guarantee consistency.	
True	
✓ False	
Question 2	1 / 1 point
Making a replica of a server is mapping the same server to multiple places on the ring	·•
✓ True	
False	
Question 3	1 / 1 point
This means that the data and its copies will at some point in time become consistent.	
time consistency	
period consistency	
✓ eventual consistency	
backup consistency	
Question 4	1 / 1 point
Document store queries can be slow because they have to scan the entire collect.	
✓ True	
() False	

Question 8

NoSQL tend to have huge complex query languages like SQL.

True

False

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Question 5

Question 6

Question 7

True

False

True

False

Question 9 2/2 points

Explain what BASE stands for.

BASE stands for Basically Available Soft state Eventual consistency.

The correct answer is not displayed for Written Response type questions.

Question 10 0 / 1 point

Document stores have a fixed schema and changes are not allowed.

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	X True	
ı	➡ False	
Qı	uestion 11	1 / 1 point
(Cypher is an example of a document based NoSQL database.	
	True	
•	✓ False	
Qı	uestion 12	1 / 1 point
\	What does the following Cypher query express?	
(OPTIONAL MATCH (user;User)-[:FRIENDS_WITH]-(friend;User)	
١	WHERE user.name = "Bart Baesens"	
F	RETURN user, count(friend) AS NumberOfFriends	
	This query will fail if Bart Baesens is FRIENDS_WITH himself.	
	Get the node for Bart Baesens and a count of all his friends, even if no FRIEND relation exists.	S_WITH
	Get the node for Bart Baesens and all his friends.	
•	Get the node for Bart Baesens and a count of all his friends, but only if at least FRIENDS_WITH relation exists.	one
Qı	uestion 13	1 / 1 point
A	All related documents in MongoDB belong to a what?	
,	Answer: Collection 🗸	
Qı	uestion 14	1 / 1 point
١	NoSQL has complex APIs.	
	True	
•	✓ False	

Question 15 1 / 1 point

Which of the following statements on the MapReduce model is correct?

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~	Per input entry of a key-value pair, multiple output entries can be produced.	
	The reduce operation can happen only one and after all the mapping operation finished.	is have
	The reduce function cannot be called on partial results.	
	The output format of the reduce function does not really matter.	
Questio	on 16	1 / 1 point
Mongo	oDB sorts before projections	
~ C) True	
	False	
Questio	on 17	1 / 1 point
NoSQ	L is typically schema-free or has a flexible schema.	
~ (True	
	False	
Questio	on 18	0 / 1 point
When	are column oriented databases more efficient than row oriented databases?	
	When inserts are performed where all of the row data is supplied at the same	time.
⇒ (When aggregates need to be calculated over many or all rows in a relation.	
×	When many columns of a single relation need to be fetched at the same time.	
	When a lot of JOINs need to be performed in queries.	
Questio	on 19	1 / 1 point
In a ke	ey value store a key can be hashed many times to determine its final location.	

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021	: Quiz S	ubmissions - (Quiz 10 - CSCI.3	320.01 - Principl	es of Data Mana	igement - RIT my	Courses
Question 20							0 / 1 point
In MongoDB, which of a congle attribute of a congle							e the value of a
Answer: updateOne	() 🗶	(\$set)					
Question 21							0 / 1 point
MongoDB is a key va	lue da	tabase					
🗶 🔵 True							
→ False							
Question 22							1 / 1 point
This type of NoSQL of top of a traditional da			s up data a	ccess by h	aving an in	-memory ha	ash-table put on
valuecached							
systemcached							
✓ memcached							
datacached							
Question 23							1 / 1 point
One of the benefits of	of NoS	QL is a d	istributed s	system of o	cheap hard	ware.	
✓ True							
False							
Question 24							6 / 6 points

List 4 types of NoSQL databases. And *briefly* explain 2 of them.

The 4 types of NoSQL databases are column-oriented, tuple and document store, key-value, and graph.

A key-value database stores data as a key and value pair.

A column-oriented database stores data tables columns of data.

The correct answer is not displayed for Written Response type questions.

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Question 25	1 / 1 point
The aggregation pipeline in MongoDB takes in an array of stages	
✓ True	
False	
Question 26	1 / 1 point
Using Cypher, how do you get a list of all movies Scott Johnson has liked, who least four stars?	en he has given at
SELECT (b:User)m:Movie)	
WHERE b.name = "Scott Johnson"	
AND m.starts >= 4	
MATCH (b:User)-[I:LIKES]-(m:Movie)	
WHERE b.name = "Scott Johnson"	
AND m.stars >=4	
RETURN m	
MATCH (b:User)(m:Movie)	
WHERE b.name = "Scott Johnson"	
AND I.stars >= 4	
RETURN m	
✓ MATCH (b:User)-[I:LIKES]-(m:Movie)	
WHERE b.name = "Scott Johnson"	
AND I.stars >= 4	
RETURN m	
Question 27	0 / 1 point
Which statements regarding memcached is CORRECT	
Memcached functions as a persistent database.	

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•	When using Memcached, it is the client's responsibility to distribute data entries among the different servers. Memcached provides data redundancy.						
×	The Memcached hash table can grow very large (several gigabytes), but is ve to scale across multiple servers.	ery difficult					
Question	n 28	1 / 1 point					
NoSQL	is typically open source and yet to be really proved in the real world.						
~ ()	True						
	False						
	Attempt Score:	27 / 34 - B-					
	Overall Grade (highest attempt):	27 / 34 - B-					
Done							