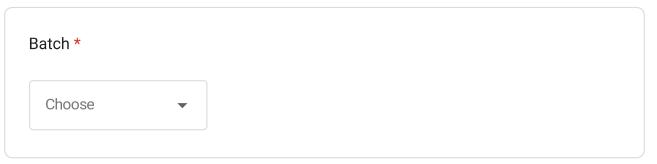
Introduction to Databases - Quiz Answer questions based on the learning from today's session. kowshikdontu@gmail.com Switch account Draft saved * Indicates required question Email * Record kowshikdontu@gmail.com as the email to be included with my response Which of the following is a key characteristic of a relational database? * 1 point Flexible schema Hierarchical data structure Data stored in tables with rows and columns Document-oriented storage



Which of the following best describes the "eventual consistency" principle * 1 point in BASE?

Data is always consistent across all nodes

System guarantees immediate consistency

System may become consistent over time

Ensures transactions are processed immediately

What does the term "schema flexibility" refer to in the context of NoSQL * 1 point databases?

A fixed data structure

The ability to scale out by adding more servers

The ability to store data without a predefined schema

Ensuring transactions are atomic

:

Your Full Name *	
Your answer	
In the context of relational databases, what is a foreign key? *	1 point
A unique identifier for a record	
A key used to enforce referential integrity between tables	
A command to delete records	
A special type of index	
In database terminology, what does the term "atomicity" refer to? *	1 point
O Data consistency across multiple transactions	
Each transaction being all-or-nothing	
The ability to scale the database horizontally	
Ensuring the database is always available	

What is a database? *	1 point
A collection of programs that manage data	
An organized collection of data, generally stored and accessed electronically	
A system that processes transactions	
A type of software for data analysis	
What is the primary use case for key-value stores in NoSQL databases? *	1 point
Managing complex relationships	
Storing JSON-like documents	
Real-time data processing and caching	
Running complex queries and joins	
Your Roll Number *	
Your answer	

Which type of NoSQL database would be most suitable for an application that requires handling hierarchical data structures?	* 1 point
Key-value store	
O Document store	
Column-family store	
Graph database	
Which of the following is NOT a NoSQL database type? *	1 point
O Document store	
Column-family store	
Key-value store	
Relational store	

What does SQL stand for? *	1 point
Structured Query Language	
O Simple Query Language	
O Standard Query Language	
O Sequential Query Language	
Which of the following is an example of a document database? *	1 point
CouchDB	
OPostgreSQL	
Redis	

Which NoSQL database type is most suitable for managing connections and relationships between data?	* 1 point
Key-value store	
O Document store	
Column-family store	
Graph database	
Which principle of ACID ensures that transactions do not interfere with each other?	* 1 point
	* 1 point
each other?	* 1 point
each other? Atomicity	* 1 point
each other? Atomicity Consistency	* 1 point

Which NoSQL database type is optimized for fast read and write operations?	* 1 point
Document store	
Column-family store	
C Key-value store	
Graph database	
Which of the following best describes a column-family store? *	1 point
A type of NoSQL database that stores data in key-value pairs	
A type of NoSQL database that stores data in columns rather than rows	
A relational database that uses rows and columns	
A database that stores data in JSON-like documents	

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