



QUIZ

# MongoDB 101: Non-Relational for Beginners

Quiz questions to complement [course](#)



# Question 1

## Introduction to Non-Relational Databases

# Quiz



**Which of the following are types of non-relational databases?** More than one answer choice can be correct.

- ☐ A. Key/Value
- ☐ B. Graph
- ☐ C. Tabular
- ☐ D. Document

# Quiz



**Which of the following are types of non-relational databases?** More than one answer choice can be correct.

- ☒ A. Key/Value
- ☒ B. Graph
- ☐ C. Tabular
- ☒ D. Document

CORRECT: Key/Value - A key/value database is regarded as a non-relational database

CORRECT: Graph - A graph database is regarded as a non-relational database

INCORRECT: Tabular - A tabular database is regarded as a relational database

CORRECT: Document - A document database is regarded as a non-relational database

# Quiz



Which of the following are types of non-relational databases? More than one answer choice can be correct.

- ☒ A. Key/Value
- ☒ B. Graph
- ☐ C. Tabular
- ☒ D. Document

*A key-value database is regarded as a non-relational database.*

CORRECT: Key-Value - A key-value database is regarded as a non-relational database

# Quiz



Which of the following are types of non-relational databases? More than one answer choice can be correct.

- ✓ A. Key/Value
- ✓ B. Graph
- ✗ C. Tabular
- ✓ D. Document

*A graph database is regarded as a non-relational database.*

CORRECT: Graph - A graph database is regarded as a non-relational database

# Quiz



Which of the following are types of non-relational databases? More than one answer choice can be correct.

- ✓ A. Key/Value
- ✓ B. Graph
- ✗ C. Tabular
- ✓ D. Document

*A tabular database is regarded as a relational database.*

INCORRECT: Tabular- A tabular database is regarded as a relational database

# Quiz



Which of the following are regarded as non-relational databases?  
More than one answer choice can be correct.

- ✓ A. Key-Value
- ✓ B. Graph
- ✗ C. Tabular
- ✓ D. Document

*A document database is  
regarded as a  
non-relational database.*

CORRECT: Document - A document database is regarded as a non-relational database





# Question 2

Introduction to Non-Relational Databases

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ☐ A. Deals with polymorphic data
- ☐ B. Requires more code to translate between application and database
- ☐ C. Requires no object mapping language
- ☐ D. Works well with rapidly changing data

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ☒ A. Deals with polymorphic data.
- ☐ B. Requires more code to translate between application and database.
- ☒ C. Requires no object mapping language.
- ☒ D. Works well with rapidly changing data.

**CORRECT:** Deals with polymorphic data - In non-relational databases, data is stored according to flexible schemas, therefore you are able to store differently shaped data in the same collection. Differently shaped data is a key advantage for non-relational databases compared to relational databases.

**INCORRECT:** Requires more code to translate between application and database - Less code is required with non-relational databases as the data is stored in constructs that are very similar to the programming language constructs used in applications, hence reducing the code required.

**CORRECT:** Requires no object mapping language - The majority of objects used by a programmer will be in similar constructs whether in the application or in the database so no additional mapping is typically required.

**CORRECT:** Works well with rapidly changing data - Each shape change in the structure of data requires a change to the database's corresponding schema if stored in a relational database. This isn't the case for non-relational databases.

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ✓ A. Deals with polymorphic data.
- ✗ B. Requires more code to translate between application and database.
- ✓ C. Requires no object mapping language.
- ✓ D. Works well with rapidly changing data.

*In non-relational databases, you are able to store differently shaped data in the same collection. Differently shaped data is a key advantage when compared to relational databases.*

CORRECT: Deals with polymorphic data - In non-relational databases, you are able to store differently shaped data in the same collection. Differently shaped data is a key advantage when compared to relational databases

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ✓ A. Deals with polymorphic data.
- ✗ B. Requires more code to translate between application and database.
- ✓ C. Requires no object mapping language.
- ✓ D. Works well with rapidly changing data.

*Less code is required with non-relational databases as the data is stored in constructs that are very similar to the programming language constructs used in applications*

INCORRECT: Requires more code to translate between application and database -  
Less code is required with non-relational databases as the data is stored in constructs that are very similar to the programming language constructs used in applications

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ✓ A. Deals with polymorphic data.
- ✗ B. Requires more code to translate between application and database.
- ✓ C. Requires no object mapping language.
- ✓ D. Works well with rapidly changing data.

*The majority of objects used by a programmer will be in similar constructs whether in the application or in the database so no additional mapping is typically required*

CORRECT: Requires no object mapping language - The majority of objects used by a programmer will be in similar constructs whether in the application or in the database so no additional mapping is typically required.

# Quiz



**Which of the following are true for non-relational databases?** More than one answer choice can be correct.

- ✓ A. Deals with polymorphic data.
- ✗ B. Requires more code to translate between application and database.
- ✓ C. Requires no object mapping language.
- ✓ D. Works well with rapidly changing data.

*Each shape change in the structure of data requires a change to the database's corresponding schema if stored in a relational database. This isn't the case for non-relational databases.*

CORRECT: Works well with rapidly changing data - Each shape change in the structure of data requires a change to the database's corresponding schema if stored in a relational database. This isn't the case for non-relational databases.



# Question 3

## The Document Model and MongoDB



# Quiz



**What does a document store data in MongoDB as?** There is one answer choice that is correct.

- ☐ A. Columns
- ☐ B. Field-value pairs
- ☐ C. Objects

# Quiz



**What does a document store data in MongoDB as?** There is one answer choice that is correct.

- ☐ A. Columns
- ☒ B. Field-Value pairs
- ☐ C. Objects

INCORRECT: Columns - Columns are stored in column oriented or wide column non-relational databases, not in document databases such as MongoDB.

CORRECT: Field-Value pairs - MongoDB stores field-value pairs where the value can be one of several data types including a sub-object.

INCORRECT: Objects - MongoDB does not store data as object, rather it is stored as a field-value pair within a object.

# Quiz



**What does a document store data in MongoDB as?** There is one answer choice that is correct.

- ☐ A. Columns
- ☒ B. Field-Value pairs
- ☐ C. Objects

*Columns are stored in column oriented or wide column non-relational databases, not in Document databases such as MongoDB*

INCORRECT: Columns - Columns are stored in column oriented or wide column non-relational databases, not in Document databases such as MongoDB.

# Quiz



**What does a document store data in MongoDB as?** There is one answer choice that is correct.

- ☐ A. Columns
- ☒ B. Field-Value pairs
- ☐ C. Objects

*MongoDB stores field-value pairs where the value can be one of several data types including a sub-object*

**CORRECT:** Field-Value pairs - MongoDB stores field-value pairs where the value can be one of several data types including a sub-object.

# Quiz



**What does a document store data in MongoDB as?** There is one answer choice that is correct.

- ☐ A. Columns
- ☒ B. Field-Value pairs
- ☐ C. Objects

*MongoDB does not store data as an object, rather it is stored as a field-value pair within a object*

INCORRECT: Objects - MongoDB does not store data as object, rather it is stored as a field-value pair within a object.



# Question 4

## The Document Model and MongoDB

# Quiz



**Which of the following are true for MongoDB documents?** More than one answer choice can be correct.

- ☐ A. Fields are enclosed with quotation marks
- ☐ B. A document starts and ends with curly braces
- ☐ C. The field-value pairs in a document are separated by commas (,)

# Quiz



**Which of the following are true for MongoDB documents?** More than one answer choice can be correct.

- ✓ A. Fields are enclosed with quotation marks
- ✓ B. A document starts and ends with curly braces
- ✗ C. The field-values within a pair in a document are separated by commas (,)

**CORRECT:** Field are enclosed with quotation marks - each field must be enclosed with quotation marks per the JSON specification, which we'll cover immediately after this quiz.

**CORRECT:** A document starts and ends with curly braces - Mimicking the format of many programming languages, all JSON documents must start and end with curly brackets.

**INCORRECT:** The field-values within a pair in a document are separated by commas (,) - The field-values within a pair in a document are separated by colons (:), however, each field-value pair is separated from each other by commas.



# Quiz



Which of the following are true for MongoDB Documents?: More than one answer choice can be correct.

- ✓ A. Fields are enclosed with quotation marks
- ✓ B. A document starts and ends with curly braces
- ✗ C. The field-values within a pair in a document are separated by commas (,)

*It is true that fields should be enclosed with quotation marks.*

CORRECT: Field are enclosed with quotation marks - This is correct. Each field must be enclosed with quotation marks per the JSON specification, which we'll cover immediately after this quiz.

# Quiz



Which of the following are true for MongoDB Documents?: More than one answer choice can be correct.

- ✓ A. Fields are enclosed with quotation marks
- ✓ B. A document starts and ends with curly braces
- ✗ C. The field-values within a pair in a document are separated by commas (,)

*It is true a document starts and ends with curly braces - Mimicking the format of many programming languages, all JSON documents must start and end with curly brackets.*

CORRECT: A document starts and ends with curly braces - Mimicking the format of many programming languages, all JSON documents must start and end with curly brackets.

# Quiz



Which of the following are true for MongoDB Documents?: More than one answer choice can be correct.

- ✓ A. Fields are enclosed with quotation marks
- ✓ B. A document starts and ends with curly braces
- ✗ C. The field-values within a pair in a document are separated by commas (,)

*The field-values within a pair in a document are separated by colons (:), however, each field-value pair is separated from each other by commas.*

INCORRECT: The field-values within a pair in a document are separated by commas (,) - The field-values within a pair in a document are separated by colons (:), however, each field-value pair is separated from each other by commas



# Question 5

## The Document Model and MongoDB

# Quiz



**What does a collection in MongoDB store?** There is one answer choice that is correct.

- ☐ A. Objects
- ☐ B. Documents
- ☐ C. Records

# Quiz



**What does a collection in MongoDB store?** There is one answer choice that is correct.

- ☐ A. Objects
- ☒ B. Documents
- ☐ C. Records

INCORRECT: Objects - MongoDB collections store documents rather than objects or record.

CORRECT: Documents - A MongoDB collection holds all the documents for that specific collection.

INCORRECT: Records - A relational database stores records in a table, this is not how MongoDB collections store data.

# Quiz



**What does a collection in MongoDB store?** There is one answer choice that is correct.

- ☐ A. Objects
- ☒ B. Documents
- ☐ C. Records

*MongoDB collections  
store Documents rather  
than objects or records.*

INCORRECT: Objects - MongoDB collections store Documents rather than objects or records.

# Quiz



**What does a collection in MongoDB store?** There is one answer choice that is correct.

- ☐ A. Objects
- ☒ B. Documents
- ☐ C. Records

*A MongoDB collection holds all the documents for that specific collection.*

**CORRECT:** Documents - A MongoDB collection holds all the documents for that specific collection.



# Quiz



**What does a collection in MongoDB store?** There is one answer choice that is correct.

- ☐ A. Objects
- ☒ B. Documents
- ☐ C. Records

*A relational database stores records in a table, this is not how MongoDB collections store data.*

INCORRECT: Records - A relational database stores records in a table, this is not how MongoDB collections stores data.



# Question 6

## Data Modeling and MongoDB

# Quiz



**For what relationship type is embedding the data the recommended default?** More than one answer choice can be correct.

- ☐ A. One-to-One
- ☐ B. Many-to-Many
- ☐ C. One-to-Many, with the “many” side a large number

# Quiz



**For what relationship type is embedding the data the recommended default?** More than one answer choice can be correct.

- ☒ A. One-to-One
- ☒ B. Many-to-Many
- ☐ C. One-to-Many, with the “many” side a large number

# Quiz



For what relationship type is embedding the data the recommended default? More than one answer choice can be correct.

- ✓ A. One-to-One
- ✓ B. Many-to-Many
- ✗ C. One-to-Many, with the “many” side a large number

*It is recommended to embed data when the relationship is one-to-one.*

CORRECT: One-to-One- It is recommended to embed data when the relationship is one-to-one.

# Quiz



For what relationship type is embedding the data the recommended default? More than one answer choice can be correct.

- ✓ A. One-to-One
- ✓ B. Many-to-Many
- ✗ C. One-to-Many, with the “many” side a large number

*It is recommended to embed data when the relationship is many-to-many.*

CORRECT: Many-to-Many - It is recommended to embed data when the relationship is many-to-many.

# Quiz



For what relationship type is embedding the data the recommended default? More than one answer choice can be correct.

- ✓ A. One-to-One
- ✓ B. Many-to-Many
- ✗ C. One-to-Many, with the “many” side a large number

*In a one-to-many relationship where the “many” side is a very large number, it is more efficient to link related data.*

INCORRECT: One-to-Many, with the “many” side a large number - In a one-to-many relationship where the “many” side is a very large number, it is more efficient to link related data.