

MongoDB Quiz

Due Oct 11, 2021 at 11:59pm**Points** 100**Questions** 8**Available** after Oct 7, 2021 at 12am**Time Limit** 90 Minutes

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	14 minutes	100 out of 100

Score for this quiz: **100** out of 100

Submitted Oct 10, 2021 at 2:50am

This attempt took 14 minutes.

Question 1

15 / 15 pts

We use SQL to query a MongoDB

☐ True

☒ False

Correct!

Question 2

12 / 12 pts

What type on Database is MongoDB?

☒ Document-based

Correct!

☐ What's a database???

☐ SQL

☐ Query Based

☐ Comma Delimited DB

Question 3

12 / 12 pts

MongoDB organizes it's data by storing it in tables

☐ True

☒ False

Correct!

Question 4

12 / 12 pts

What is a MongoDB collection?

☐ Collection, you know, like my Star Wars action figures

☐ Is a self contained pieces of data

☐ another document that will be stored in its parent

☒ Set of documents that you decide are related by their content.

Correct!

Question 5

12 / 12 pts

What is a document?

- ☐ describe another document that will be stored in its parent
- ☐ The Declaration of Independence
- ☐ A set of documents that you decide are related by their content.
- ☒ are self contained pieces of data that you store in a collection.

Correct!

Question 6

12 / 12 pts

What are the 4 basic operations in Mongo? (Select all that apply)

☒ insert

☐ begin

☐ undo

☒ delete

☐ remove

☐ query

☒ update

Correct!

Correct!

Correct!

Correct!☒ find☐ save**Question 7****15 / 15 pts**

Say we have the following function to insert a dog into the DB:

```
async addDog(name, breeds) {
  if (!name) throw 'You must provide a name for your dog';

  if (!breeds || !Array.isArray(breeds)) throw 'You must provide an array of breeds';

  if (breeds.length === 0) throw 'You must provide at least one breed.';
  const dogCollection = await dogs();

  let newDog = {
    name: name,
    breeds: breeds
  };

  const insertInfo = await dogCollection.insertOne(newDog);
  if (insertInfo.insertedCount === 0) throw 'Could not add dog';

  const newId = insertInfo.insertedId;

  const dog = await this.getDogById(newId);
  return dog;
}
```

We later decide, we want to start collecting the color of the dog so the function now gets modified to the one shown below:

```
async addDog(name, breeds, color) {
  if (!name) throw 'You must provide a name for your dog';
  if (!color) throw 'You must provide a color for your dog';

  if (!breeds || !Array.isArray(breeds)) throw 'You must provide an array of breeds';

  if (breeds.length === 0) throw 'You must provide at least one breed.';
  const dogCollection = await dogs();

  let newDog = {
    name: name,
    breeds: breeds,
    color: color
  };

  const insertInfo = await dogCollection.insertOne(newDog);
  if (insertInfo.insertedCount === 0) throw 'Could not add dog';

  const newId = insertInfo.insertedId;

  const dog = await this.getDogById(newId);
  return dog;
}
```



Now what happens if the function is run after the change and we try to insert a new dog?



An error occurs because the field color is not currently stored in the document in the collection

Correct!



It will add the new field to the data. Existing data will still be missing that new field though



The sky falls..



It will add the new field to the data. Existing data will update all existing documents with the new field with a default value

Question 8

10 / 10 pts

MongoDB's querying language is composed of?



SQL



SQL Lite



iQL



GraphQL

Correct!



JSON

Quiz Score: **100** out of 100