MONASH University

FIT2095 e-Business software technologies S2 2019

Dashboard / My units / FIT2095_S2_2019 / Week 5 (26 Aug - 1 Sep) / Week 5 Pre-Reading Quiz

Started on	Friday, 30 August 2019, 1:19 AM
State	Finished
Completed on	Friday, 30 August 2019, 1:33 AM
Time taken	14 mins 2 secs
Grade	**9.00** out of 10.00 (**90**%)

Print friendly format

Question 1

Correct

Mark 1.00 out of 1.00

With respect to MongoDB features, which of the following is false?

Select one:

- a. MongoDB high availability is achieved by the replication facility, which is called replica set
- ⦿ b. only primary key can be used as an index ✔
- c. document data structure is composed of field and value pairs.
- d. MongoDB supports Ad-Hoc Queries

Your answer is correct.

The correct answer is: only primary key can be used as an index

---

Question 2

Correct

Mark 1.00 out of 1.00

The table of relational database management system is called ------ in MongoDB

Select one:

- a. Document
- b. Table
- c. Book
- d. Record
- ⦿ e. Collection ✔

Your answer is correct.

The correct answer is: Collection

Question 3

Correct

Mark 1.00 out of 1.00

With respect to the only requirement in MongoDB collection, which of the following is true?

Select one:

- ○ a. each document must have a unique _id ✔
- ○ b. binary data can not be stored as a value of a field
- ○ c. require to define a schema for a collection
- ○ d. documents can not be empty

Your answer is correct.

The correct answer is: each document must have a unique _id

Question 4

Correct

Mark 1.00 out of 1.00

assume you have this fragment of code:

```
let query = { address: /n$/ };
db.collection("warehouse").find(query).toArray(function (err, result) {
 if (err) throw err;
 console.log(result);
});
```

The result will be:

Select one:

- ○ a. all the documents with address field that starts with the letter 'n'
- ○ b. all the documents with address field that end with the letter 'n' ✔
- ○ c. all the documents with address field that ends with the suffix '/n$/'
- ○ d. the first document with address field that ends with the letter 'n'
- ○ e. the last document with address field that ends with the letter 'n'

Your answer is correct.

The correct answer is: all the documents with address field that end with the letter 'n'

Question 5

Correct

Mark 1.00 out of 1.00

assume you have this fragment of code:

```
let query = { quantity: { $gte: 25 } };
db.collection("warehouse").find(query).toArray(function (err, result) {
 if (err) throw err;
 console.log(result);
});
```

The result will be:

Select one:

- ○ a. all the documents with field quantity that has value greater 25
- ○ b. all the documents with field quantity that has the object { $gte: 25 } in its value
- ○ c. all the documents with field quantity that has value not greater than or equal to 25
- ○ d. the first document with field quantity that has value greater than or equal to 25
- ○ e. all the documents with field quantity that has value greater than or equal to 25 ✔

Your answer is correct.

The correct answer is: all the documents with field quantity that has value greater than or equal to 25

Question 6

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code:

```
let query = { quantity: { $lte: 25 } };
let sortBy = { price: -1 }
db.collection("warehouse").find(query).sort(sortBy).limit(5).toArray(function (err, result) {
 if (err) throw err;
 console.log(result);
});
```

The result will be:

Select one:

- a. the first 5 documents of a list sorted in descending order by attribute price with quantity attribute less than or equal 25 ✔
- b. the first document of a list sorted in descending order by attribute price with quantity attribute less than or equal 25
- c. the first 5 documents of a list sorted in ascending order by attribute price with quantity attribute less than or equal 25
- d. the first 5 documents of a list sorted in descending order by attribute price with quantity attribute greater than or equal 25
- e. all the documents of a list sorted in descending order by attribute price with quantity attribute less than or equal 25

Your answer is correct.

The correct answer is: the first 5 documents of a list sorted in descending order by attribute price with quantity attribute less than or equal 25

Question 6

Correct

Mark 1.00 out of 1.00

```
let query = { quantity: { $lte: 25 } };
let sortBy = { price: -1 }
db.collection("warehouse").find(query).sort(sortBy).limit(5).toArray(function (err, result) {
 if (err) throw err;
 console.log(result);
});
```

Question 7

Correct

Mark 1.00 out of 1.00

To delete all documents with price attribute does not equal to 350 from a collection named 'warehouse', we should use:

Select one:

○ a.
```
db.collection("warehouse").deleteMany({price: { $ne:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

✔

○ b.
```
db.collection("warehouse").deleteOne({price: { $ne:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

○ c.
```
db.collection("warehouse").deleteMany({price: { $gte:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

○ d.
```
db.collection("warehouse").deleteAll({price: { $ne:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

○ e.
```
db.collection().deleteMany({price: { $ne:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

Your answer is correct.

The correct answer is:
```
db.collection("warehouse").deleteMany({price: { $ne:  350}}, function (err, obj) {
 console.log(obj.result);
});
```

Question 8

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code:

```
db.collection("warehouse").updateMany({ itemName: /x$/ }, { $inc: { quantity: 2 } }, { upsert:
false}, function (err, result) {
});
```

What does this code do?

Select one:

- ◉ a. increments the quantity by 2 for all documents with field itemName ends by letter 'x' in a collection named 'warehouse' ✔
- ○ b. increments the quantity by 2 for all documents with field itemName ends by letter 'x' in a collection named 'warehouse' OR insert a new document if there is no match.
- ○ c. increments the quantity by 2 for all documents with field itemName starts by letter 'x' in a collection named 'warehouse'
- ○ d. sets the itemName field to '/x$/' for all documents with quantity field equal to 2 in a collection named 'warehouse'

Your answer is correct.

The correct answers are: increments the quantity by 2 for all documents with field itemName ends by letter 'x' in a collection named 'warehouse', increments the quantity by 2 for all documents with field itemName starts by letter 'x' in a collection named 'warehouse'

Question 9

Correct

Mark 1.00 out of 1.00

With respect to MongoDB Compass Community software, which of the following is false?

Select one:

- ○ a. Available on Windows, Mac and Linux
- ◉ b. it works as a driver for Node.js application to connect to MongoDB server ✔
- ○ c. Visually explore your data
- ○ d. Interact with your data with full CRUD functionality
- ○ e. View and optimize your query performance

Your answer is correct.

The correct answer is: it works as a driver for Node.js application to connect to MongoDB server

Question **10**

Incorrect

Mark 0.00 out of
1.00

```
MongoClient.connect("http://localhost:8080/", {useNewUrlParser: true}, function (err, client) {
    if (err) {
        console.log('Err ', err);
    } else {
        console.log("Connected successfully to server");
        db = client.db('warehouse');
    }
});
```

With respect to the above code, which of the following is true?

Select one:

- ○ a. The code has an issue: the URL protocol should be 'mongodb:' instead of 'http:'
- ○ b. The code has no issue
- ○ c. The code has an issue: the URL protocol should be 'https:' instead of 'http:' and the port number should be 27017
- ○ d. The code has an issue: the port number should be 27017
- ◉ e. The code has an issue: the URL protocol should be 'mongodb:' instead of 'http:' and the port number should be 27017 ✖

Your answer is incorrect.

The correct answer is: The code has an issue: the URL protocol should be 'mongodb:' instead of 'http:'

◀ Week 5: Workshop Quiz   Jump to...   ⬍   Week 5 Lab Specifications ▶