



FIT2095 e-Business software technologies - S2 2021

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Question 1

Complete

Mark 6.86 out of 10.00

Question 1

MongoDB is a document database. What are 'document' fields, and 'collection' in MongoDB?

A **document** is a data structure composed of field and value pairs.

A **collection** is similar to a table in a relational database. It is a set of documents, and you access each document via the collection.

MongoDB document is not a JSON object. Elaborate on this statement.

MongoDB documents are similar to JSON objects.

- Compared to a JSON object, a MongoDB document has support not only for the primitive data types boolean, numbers, and strings, but also other common data types such as dates, timestamps, regular expressions, and binary data.

Comment:

Q1=75% Q2=67% Q3=67%

Question 2

Complete

Not graded

Question 2

Q2. 1.

```
let query = { airline: /WA/ };
```

```
db.collection("flights").find(query).limit(10)(function(err, result){  
  if(err) throw err;  
  console.log(result);  
});
```

Question 3

Complete

Not graded

Question 3

Q2.2.

```
let query = {from: '/WA/ or /SYD/ };
```

```
let sortBy = { cost: -1 }
```

```
db.collection("flights").find(query).sort(sortby).toArray(function(err, result){  
  if(err) throw err;  
  console.log(result);  
});
```

Question 4

Complete

Not graded

Question 4

Q2.3

```
db.collection("flights").updateOne({ from:'SYD' or 'NT'}, { $mul3: {cost}}, { upsert: true }, function(err, result){  
  });
```

Question 5

Complete

Not graded

Question 5

Q2.4

```
db.collection("flights").deleteMany({cost: { $lte:300}}, function(err, obj){  
  console.log(obj.result);  
});
```

Question 6

Complete

Not graded

Question 6

```
const mongodb = require('mongodb');  
const express = require("express");  
  
const app = express();  
app.listen(68153);  
  
const MongoClient = mongodb.MongoClient;  
const url = 'mongodb://localhost:68153/';  
  
let db;  
MongoClient.connect(url, {useNewUrlParser: true}, function (err, client) {  
  if (err) {  
    console.log('Err ', err);  
  } else {  
    console.log("Connected successfully to server");  
    db = client.db('agency');  
  }  
});  
  
app.post("/postbooking", function (req, res) {  
  let bookingDetails = req.body;  
  db.collection("users").insertOne({  
    source: bookingDetails.bsource,  
    target: bookingDetails.btarget,  
    airline: bookingDetails.bairline,  
  });  
  res.redirect("/getbookings");  
  
  app.get("/getbookings", function (req, res) {  
    db.collection("agency")  
      .find({})  
      .toArray(function (err, data) {  
        console.log(data);  
      });  
  });  
});
```

```
.toArray(function (err, data) {  
  res.render("listbookings", { agencyDb: data });  
});  
});
```

Question 7

Not answered

Not graded

Question 7

Question 8

Not answered

Not graded

Question 8

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