edX

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Mod03 Assessment
Question 1

1/1 point (graded)

What are the three components in CAP theorem?

- ○ coverage, abstraction and permissions

- ◉ consistency, availability and partition
  ✔

- ○ cost, availability and partition

- ○ cost, availability and partition

- ○ clusters, atomization and portability

| Submit | You have used 1 of 1 attempt |

✔   Correct (1/1 point)

Question 2

1/1 point (graded)

What command will launch a MongoDB server locally on port 27017?

○ mongodb start

○ mongodb

◉ mongod
✔

○ mongo

○ mongoui

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 3

1/1 point (graded)

What MongoDB shell/REPL command will update MongoDB document?

○
```
db.contracts.update({name:"Lease Agreement"},{leasee:"Node University
"});
```

○
```
db.contracts.update({name:"Lease Agreement"},{leasee:"Node University
"}, function(error, result) {});
```

⦿ ```
db.contracts.update({name:"Lease Agreement"},{$set:{leasee:"Node Univ
ersity"}});
```
✔

◯ ```
db.contracts.updateByName("Lease Agreement",{$set:{leasee:"Node Unive
rsity"}});
```

◯ ```
db.contracts.update({name:"Lease Agreement"},{$update:{leasee:"Node U
niversity"}});
```

Submit     You have used 1 of 1 attempt

✔ Correct (1/1 point)

## Question 4

1/1 point (graded)

```
{
  "_id": "56b2ac41065598d78bd5366f",
  "id": "EBA956EE-57C1-4265-A2AC-06CB83ED39F4",
  "first_name": "Mariquilla",
  "last_name": "Van't Hoff",
  "email": "mvanthoff0@merriam-webster.com",
  "gender": "Female",
  "ip_address": "243.135.104.124",
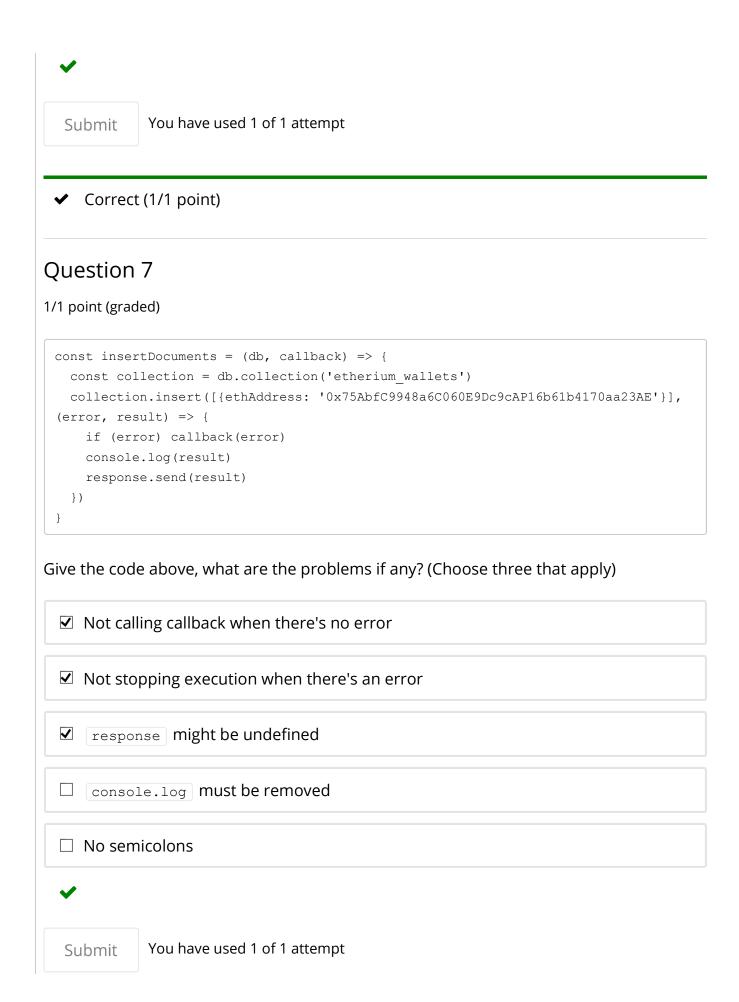  "bitcoin_address": "149bHNMLDm5bzpjJdKX8UybwUj9X2DLMtg",
  "company_name": "Agivu"
}
```

Give the document above exists in your MongoDB collection `users` of 1000+ documents, which REPL statement will find it? (Choose two that apply)

☐ ```
db.users.find({id: "EBA956EE-57C1-4265-A2AC"});
```

☐ `db.users.findById("EBA956EE-57C1-4265-A2AC-06CB83ED39F4");`

☑ `db.users.find({id: "EBA956EE-57C1-4265-A2AC-06CB83ED39F4"});`

☑ `db.users.find({id: "EBA956EE-57C1-4265-A2AC-06CB83ED39F4", gender: "Female", first_name: /Mar/});`

☐ `db.users.find({bitcoin_address: "149bHNMLDm5bzpjJdKX8UybwUj9X2DLMtg"});`

✔

Submit	You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 5

1/1 point (graded)

How can a developer use MongoDB (save, find, update, remove documents) in his/her Node program?

○ By using `mongo` command

○ By using `mongod` command

◉ By using `mongodb` npm module
✔

○ By using MongoUI GUI tool

○ By using npm scripts

Submit	You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 6

1/1 point (graded)

```
/var/www/credit-score
  /node_modules
  /routes
    profile.js
    history.js
    index.js
  /views
    404.pug
    500.pug
  package.json
  index.js
  app.js
```

Give the project structure above, what is the proper way to install MongoDB native
Node.js driver from project root /var/www/credit-score? (Choose two that apply)

☑   `npm i -SE mongodb`

☐   `cd var/www/credit-score && npm i mongodb`

☑   `npm i -E mongodb`

☐   `cd /var/www/credit-score && npm instal mongodb`

☐   `npm i mongod`

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 7

1/1 point (graded)

```
const insertDocuments = (db, callback) => {
  const collection = db.collection('etherium_wallets')
  collection.insert([{ethAddress: '0x75AbfC9948a6C060E9Dc9cAP16b61b4170aa23AE'}],
(error, result) => {
    if (error) callback(error)
    console.log(result)
    response.send(result)
  })
}
```

Give the code above, what are the problems if any? (Choose three that apply)

☑ Not calling callback when there's no error

☑ Not stopping execution when there's an error

☑ `response` might be undefined

☐ `console.log` must be removed

☐ No semicolons

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 8

1/1 point (graded)

```
const updateDocument = (db, data, callback) => {
  var collection = db.collection('transactions')
  collection.update({ _id : data._id }, { $set: data }, (error, result) => {
    if (error) return process.exit(1)
    //TODO
  })
}
```

Please complete the function by choosing the right code in place of "TODO"

○ `db.send(result)`

◉ `callback(result)`
✔

○ `callback(data)`

○ `callback(data._id)`

○ `callback(_id)`

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 9

0/1 point (graded)

What is the right command to install and launch MongoUI?

○　`npm i mongoui && mongoui`

○　`npm instal -g mongoui && mongoui`

○　`npm i -g mongodbui && mongodbui`

◉　`npm install --global mongodb && mongodb`
　　✖

○　`npm i -g mongoui && mongoui`

Submit	You have used 1 of 1 attempt

✖　Incorrect (0/1 point)

Question 10

1/1 point (graded)

```
const updateDocument = (db, data, callback) => {
  var collection = db.collection('transactions')
  collection.update({ _id : data._id }, { $set: data }, (error, result) => {
    if (error) return process.exit(1)
    //TODO
  })
}
```

What is the right way to convert the string `id` to a MongoDB ObjectID in `mongodb` native driver?

○ `require('mongodb').ObjectId(id)`

◉ `require('mongodb').ObjectID(id)`
✔

○ `ObjectId(id)`

○ `ObjectID(id)`

○ `id.ObjectID()`

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

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