MONASH
University

FIT2095 e-Business software technologies - S2 2021

Started on	Sunday, 1 August 2021, 11:19 PM
State	Finished
Completed on	Monday, 2 August 2021, 12:23 AM
Time taken	1 hour 3 mins
Grade	**6.00** out of 10.00 (**60**%)

[Print friendly format]

Question 1

Correct

Mark 1.00 out of 1.00

If you run this fragment of JavaScript code:

```javascript
let obj = {
    name: 'Tom',
    age: 20,
    address: 'Melbourne',
    salary: 1570
}

for (let key in obj) {
    let value = obj[key];
    if (!isNaN(value))
        console.log(key);
}
```

You will get as output:

Select one:

- a.
  ```
  Tom
  Melbourne
  Monash
  ```

- b.
  ```
  name
  address
  ```

- c.
  ```
  name
  address
  age
  university
  ```

- d.
  ```
  Tom
  20
  Melbourne
  Monash
  ```

- e.
  ```
  name
  ```

```
address
university
```

○ f. Syntax Error

◉ g. age
        salary   ✔

Your answer is correct.

The correct answer is: age
salary

Question **2**

Incorrect

Mark 0.00 out of 1.00

in this fragment of code:

```
var fs = require('fs');
var filePath = 'somePath';
fs.readFile(filePath, function (param1, param2) {
    //.....
});
```

param1 and pram2 are ------, -------- respectively.

Select one:

◉ a. error object, callback function   ✘

○ b. error object, content of the file

○ c. error object, header of the file

○ d. header of the file, content of the file

Your answer is incorrect.

The correct answer is: error object, content of the file

Question **3**

Correct

Mark 1.00 out of 1.00

in this fragment of code:

```
var http = require('http');
http.createServer(function (request, response) {
    //....
}).listen(8080);
```

the number 8080 represents:

Select one:

○ a.   the port number the server listens on   ✔

○ b.   the IP address

○ c.   the maximum number of clients the server is able to handle

○ d.   the server's ID

Your answer is correct.

The correct answer is: the port number the server listens on

Question **4**

Correct

Mark 1.00 out of 1.00

How many threads does the browser manage to run the entire JavaScript code?

Select one:

○ a.   0

○ b.   4

○ c.   2

○ d.   3

○ e.   1   ✔

Your answer is correct.

The correct answer is: 1

Question **5**

Incorrect

Mark 0.00 out of 1.00

```
http.createServer(function (request, response) {
//....
}
```

If a server wants to respond to a client's request by a string, it has to use:

Select one:

○ a.   request.writeString() method

○ b.   response.write() method

○ c.   response.writeLine() method

○ d.   request.print() method

○ e.   response.printString() method   ✘

Your answer is incorrect.

The correct answer is: response.write() method

Question **6**

Correct

Mark 1.00 out of 1.00

If you run this fragment of JavaScript code:

```javascript
let obj = {
  name: "Tom",
  age: 20,
  address: "Melbourne",
  university: "Monash",
};
const { address } = obj;
if (address !== "melbourne" && obj.name === "Tom") {
  console.log("Tom lives in Melbourne");
} else {
  console.log("Something wrong with the name or address");
}
console.log("Mission Accomplished");
```

You will get as output:

Select one:

○ a.   Tom lives in Melbourne

○ b.   Something wrong with the name or address

◉ c.   Tom lives in Melbourne
      Mission Accomplished   ✔

○ d.   Something wrong with the name or address
      Mission Accomplished

○ e.   Syntax Error

Your answer is correct.

The correct answer is:

Tom lives in Melbourne
Mission Accomplished

Question 7

Correct

Mark 1.00 out of 1.00

The createServer() method turns your computer into ------ server.

Select one:

◉ a. HTTP   ✔

○ b. storage

○ c. FTP

○ d. Mail

○ e. HTTP and FTP

Your answer is correct.

The correct answer is: HTTP

Question 8

Incorrect

Mark 0.00 out of 1.00

To make the HTTP package available in your application, you need to:

Select one:
- a.   install it using the NPM command and then import it using the import command
- b.   install it using the NPM command   ✖
- c.   import it using the import command
- d.   do nothing, its already available
- e.   Download the package from its github repository, install it using the NPM command and then import it using the import command

Your answer is incorrect.

The correct answer is: import it using the import command

Question 9

Incorrect

Mark 0.00 out of 1.00

In JavaScript, one way to create an object is to define the properties and their values inside 1) ------- and to create an array is to list all the items inside 2)----

Select one:
- a.   1){ } 2) { }
- b.   1) " "   2) [ ]   ✖
- c.   1) [ ]   2) {}
- d.   1) '   '   2) " "
- e.   1){ }   2) [ ]

Your answer is incorrect.

The correct answer is: 1){ }   2) [ ]

Question 10

Correct

Mark 1.00 out of 1.00

Asynchronous programming is---

Select one:
- a.   operations execute sequentially (i.e. finish the current operation to execute the next one)
- b.   small operations cannot block large operations

○ c.   operations can execute without blocking other operations ✔

○ d.   each method has its own thread

Your answer is correct.

The correct answer is: operations can execute without blocking other operations

◄ Week 12: Workshop Quiz

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Week 3 Pre-Reading Quiz ►

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Started on	Sunday, 8 August 2021, 6:41 AM
State	Finished
Completed on	Sunday, 8 August 2021, 6:52 AM
Time taken	11 mins 22 secs
Grade	**8.00** out of 10.00 (**80**%)

Print friendly format

Question **1**

Correct

Mark 1.00 out of 1.00

Express.js

- is not scalable
- is the only way to handle I/O requests in Node.js

True or False??

Select one:

- ○ a. False,True
- ○ b. True, False
- ◉ c. False, False   ✔
- ○ d. True,True

Your answer is correct.

The correct answer is: False, False

Question **2**

Correct

Mark 1.00 out of 1.00

Will the following piece of code compile? If not which line(s) cause(s) the error?

```
1  let http = require('http');
2  http.createServer(function (req, res) {
3    res.writeHead(200);
4    res.end('Hello World\n');
5  });
6  http.listen(8080);
```

Select one:

○ a. no, 2

◉ b. no, 6 ✔

○ c. no, 4 & 6

○ d. no, 1

○ e. yes

○ f. no, 3 & 4

○ g. no, 3 & 6

Your answer is correct.

The correct answer is: no, 6

Question **3**

Correct

Mark 1.00 out of 1.00

When does the callback method in the following piece of code (second parameter of app.get() method) get invoked?

```
1  app.get('/list', function (req, res) {
2      res.send(generateList());
3  }
```

Select one or more:

☑ a. when a request with pathname "/list" arrives to the server ✔

☐ b. when a request with pathname "/list/items" arrives to the server

☐ c. when a request with pathname"/get/list" arrives to the server

☑ d. when a request with pathname "/list" and query string "name=TV&count=20" arrives to the server ✔

☐ e. If you think none of the above

Your answer is correct.

The correct answers are: when a request with pathname "/list" arrives to the server
, when a request with pathname "/list" and query string "name=TV&count=20" arrives to the server

---

Question **4**

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code:

```
app.get(/monash/, function(req, res){
    res.send('We foud a match')
})
```

This route will match:

Select one:

○ a.   any path that starts with monash

○ b.   any path that does not have monash in it

○ c.   path /monash only

○ d.   any path that ends with monash

◉ e.   any path with monash in it   ✔

Your answer is correct.

The correct answer is: any path with monash in it

Question **5**

Correct

Mark 1.00 out of 1.00

In order to use Express.js in an application, module 'http' should be imported first.

Select one:

○ a.   True

○ b.   True, but module 'url' should also be imported.

◉ c.   False   ✔

○ d.   False, module 'url' should be imported first.

Your answer is correct.

The correct answer is: False

Question **6**

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code

```
app.get('/item/:id', function (req, res) {
 // print out the item id
})
```

and the client sends this request:

```
http://localhost:8080/item/123
```

Which statement prints the value of the **id** to the console?

Select one:

○ a.   console.log(req.url.id)

○ b.   console.log(req.params.Itemid)

○ c.   console.log(res.params.itemid)

○ d.   console.log(req.itemId)

d.   console.log(req.itemid)

e.   console.log(req.params.id)   ✔

Your answer is correct.

The correct answer is: console.log(req.params.id)

Question **7**

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code:

```
app.get('/item(w2)?warehouse', function(req, res){
 res.send('We got a match');
})
```

This route path will match:

Select one:

○ a.   /itemw2warehouse only

○ b.   /w2warehouse

○ c.   /itemw2

◉ d.   /itemwarehouse and /itemw2warehouse   ✔

○ e.   /itemwarehouse only

○ f.   any path with /item as prefix and warehouse as suffix

Your answer is correct.

The correct answer is: /itemwarehouse and /itemw2warehouse

Question **8**

Incorrect

Mark 0.00 out of 1.00

In order to accept requests with a path that starts with **BI**, ends with **DX**, and zero or more characters in between, we have to use:

Select one:

◉ a.
```
app.get('/BI+DX', function(req, res){
//Your loginc
})
```
✖

○ b.
```
app.get('/', function(req, res){
//Your loginc
})
```

○ c.
```
app.get('/BI*DX', function(req, res){
//Your loginc
})
```

○ d.
```
app.get('/BI?DX', function(req, res){
//Your loginc
})
```

○ e.
```
app.get('/BIXXDX', function(req, res){
//Your loginc
```

```
//Your loginc
})
```

○ f. app.get('/BIDX/', function(req, res){
       //Your loginc
       })

Your answer is incorrect.

The correct answer is:

```
app.get('/BI*DX', function(req, res){
//Your loginc
})
```

Question **9**

Correct

Mark 1.00 out of 1.00

Given the following incoming request, which statement returns the value of the pair "count=15"?

```
http://localhost:8080/?name=TV&count=15&cost=1520
```

Assume 'req' is the incoming request object.

Select one:

○ a. req.params["query"]

○ b. req.params.count

◉ c. req.query.count   ✔

○ d. req.values.count

○ e. req.param.count

Your answer is correct.

The correct answer is: req.query.count

Question **10**

Incorrect

Mark 0.00 out of 1.00

Assume you have this fragment of code:

```
app.get('/items/:itemid', function (req, res) {
  //do something
})
```

The data type of req.params is:

Select one:

○ a. number

○ b. string

- ○ c. object
- ○ d. undefined
- ● e. array ✖

Your answer is incorrect.

The correct answer is: object

◄ Week 2 Pre-reading Quiz

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Week 4 Pre-Reading Quiz ►

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Dashboard / My units / FIT2095_S2_2021 / Assessments / Week 4 Pre-Reading Quiz

Started on	Monday, 16 August 2021, 2:32 AM
State	Finished
Completed on	Monday, 16 August 2021, 2:37 AM
Time taken	4 mins 32 secs
Grade	**8.00** out of 10.00 (**80**%)

[Print friendly format](#)

Question 1

Correct

Mark 1.00 out of 1.00

To have a templates application-wide variable in Express.js, I have to:

Select one:

○ a.   declare the variable using **var**

◉ b.   app.set() and provide a pair of key and value   ✔

○ c.   declare the variable in a package and expose it using module.exports

○ d.   declare the variable using **let**

Your answer is correct.

The correct answer is: app.set() and provide a pair of key and value

---

Question 2

Correct

Mark 1.00 out of 1.00

Which option is false for the following code?

```
app.get('/',function(rqe, res){
    res.sendFile(__dirname +'/index.html');
});
```

Select one:

○ a.   The express statement is capable to receive POST request data in req.body property

○ b.   the callback will be invoked when the pathname ="/"

○ c.   By using __dirname, the path of "index.html" is relative to the project's folder

○ d.   No error will be thrown if we remove __dirname

○ e.　Select this option if you believe more than one option is false　　　　　✔

Your answer is correct.

The correct answer is: Select this option if you believe more than one option is false

---

Question 3

Correct

Mark 1.00 out of 1.00

Assume you have this fragment of code:

```
app.post('/data', function (req, res) {
    console.log(req.body.username);
    console.log(req.body.userage);
    res.send('Thank You')

})
```

Which option is True?

Select one:

○ a.　The properties of req.body object are generated using morgan middleware

○ b.　The properties of req.body object are automatically generated by Node.js (No need to install middleware)

○ c.　The properties of req.body object are automatically generated by Express (No need to install middleware)

◉ d.　The properties of req.body object are generated using body-parser middleware　　　　✔

Your answer is correct.

The correct answer is: The properties of req.body object are generated using body-parser middleware

---

Question 4

Correct

Mark 1.00 out of 1.00

```
const morgan = require('morgan');
```

morgan is?

Select one:

○ a.　a package for parsing incoming HTTP requests

◉ b.　HTTP request logger middleware　　　　✔

○ c.　HTTP logger middleware for GET requests only

○ d.　a Node.js package for managing static assets

○ e.　None of the above

Your answer is correct.

The correct answer is: HTTP request logger middleware

Question **5**

Incorrect

Mark 0.00 out of 1.00

```
app.get('/', function (req, res) {
    let randomId = Math.round(Math.random() * 100);
    res.render('index.html', { username: "admin",id: randomId});
});
```

When does the callback function execute?

Select one:

○ a.   when the user sends a POST request   ✖

○ b.   if the pathname has '/' character after a none empty pathname

○ c.   when the user navigates to http://localhost:8080/function

○ d.   when the user navigates to http://localhost:8080

○ e.   when the server invokes app.get() method

Your answer is incorrect.

The correct answer is: when the user navigates to http://localhost:8080

Question **6**

Correct

Mark 1.00 out of 1.00

Which of the following is true for the following code?

```
res.render('index.html', { username: "admin",id: randomId});
```

Select one:

○ a.   res.render sends the object '{ username: "admin",id: randomId}' to the client

○ b.   res.render method sends the static content of index.html to the client

○ c.   res.render generates a new local HTML file using the object '{ username: "admin",id: randomId}'

○ d.   res.render sends to the client the rendered HTML of index.html after applying the object '{ username: "admin",id: randomId}'   ✔
        to it

Your answer is correct.

The correct answer is: res.render sends to the client the rendered HTML of index.html after applying the object '{ username: "admin",id: randomId}' to it

---

Question **7**

Correct

Mark 1.00 out of 1.00

The following statement has a syntax error:

The following statement has a syntax error:

```
    <h1> Welcome <% username%> </h1>
```

Which option is correct?

Select one:

○ a. | `<h1> Welcome <%= username=%> </h1>` |

○ b. | `<h1> Welcome <%= username/> </h1>` |

○ c. | `<h1> Welcome <= username %> </h1>` |

◉ d. | `<h1> Welcome <%= username%> </h1>` | ✔

Your answer is correct.

The correct answer is:

| `<h1> Welcome <%= username%> </h1>` |

Question **8**

Incorrect

Mark 0.00 out of 1.00

The default location of the HTML files for EJS view engine is:

NOTE: [root] is the root directory of the project

Select one:

○ a.   [root]/views

○ b.   [root]

◉ c.   [root]/html/views   ✖

○ d.   [root]/ejs

Your answer is incorrect.

The correct answer is: [root]/views

Question **9**

Correct

Mark 1.00 out of 1.00

For express to publicly serve static images files in a directory named '**images**', I have to use:

Select one:

○ a.   app.use(express.static('public'))

○ b.   app.use(app.static('public'))

○ c.   express.static('images')

◉ d.   app.use(express.static('images'))   ✔

○ e.   app.use('images')

Your answer is correct.

The correct answer is: app.use(express.static('images'))

Question **10**

Correct

Mark 1.00 out of 1.00

The following fragment of code has a syntax error:

```
<h3>list of items:
      <ul>
          <% for ( var i =0; i< ar.length;i++){ %>
             <li>
                  <%= ar[i].item%>
             </li>
      </ul>
        <% }%>
</h3>
```

The correct option is:

Select one:

a.
```
<h3>list of items:
       <ul>
           <% for ( var i =0; i< ar.length;i++){ %>
              <li>
                   <%= ar[i].item%>
              </li>
           <% }%>
       </ul>
</h3>
```
✔

b.
```
<h3>list of items:
       <ul>
           <% for ( var i =0; i< ar.length;i++){ %>
              <li>
                   <% ar[i].item%>
              </li>
           <% =}%>
       </ul>
</h3>
```

c.
```
<h3>list of items:
       <ul>
           <% for ( var i =0; i< ar.length;i++){
              <li>
                   <%= ar[i].item%>
              </li>
           <% }%>
       </ul>
</h3>
```

d.
```
<h3>list of items:
       <ul>
           <%= for ( var i =0; i< ar.length;i++){ %>
              <li>
                   <%= ar[i].item%>
              </li>
           <% }%>
       </ul>
</h3>
```

Your answer is correct.

The correct answer is:

```
<h3>list of items:
        <ul>
            <% for ( var i =0; i< ar.length;i++){ %>
                <li>
                    <%= ar[i].item%>
                </li>
            <% }%>
        </ul>
</h3>
```

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Your answer is correct.

The correct answer is:

```
<h3>list of items:
        <ul>
            <% for ( var i =0; i< ar.length;i++){ %>
                <li>
                    <%= ar[i].item%>
                </li>
            <% }%>
        </ul>
</h3>
```

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Started on	Sunday, 22 August 2021, 4:34 PM
State	Finished
Completed on	Sunday, 22 August 2021, 4:39 PM
Time taken	4 mins 53 secs
Grade	**10.00** out of 10.00 (**100**%)

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

Select one:

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

Your answer is correct.

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

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

Select one:

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

Your answer is correct.

The correct answer is: Collection

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

Select one:

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

Your answer is correct.

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

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 ends with the suffix '/n$/'

◉ b.   all the documents with address field that end with the letter 'n'   ✔

○ c.   the last document with address field that ends with the letter 'n'

○ d.   all the documents with address field that starts with the letter 'n'

○ e.   the first 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'

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 the object { $gte: 25 } in its value

◉ b.   all the documents with field quantity that has value greater than or equal to 25   ✔

○ 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 25

Your answer is correct.

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

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 5 documents of a list sorted in ascending order by attribute price with quantity attribute less than or equal 25

○ c.   the first document of a list sorted in descending 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

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

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

○ c.
```
db.collection("warehouse").deleteOne({price: { $ne:  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("warehouse").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);
});
```

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 starts by letter 'x' in a collection named 'warehouse'   ✔

c.   sets the itemName field to '/x$/' for all documents with quantity field equal to 2 in a collection named 'warehouse'

d.   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.

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'

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

Select one:

a.   Visually explore your data

b.   Interact with your data with full CRUD functionality

c.   it works as a driver for Node.js application to connect to MongoDB server ✔

d.   Available on Windows, Mac and Linux

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

```
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 no issue

b.   The code has an issue: the URL protocol should be 'https:' instead of 'http:' and the port number should be 27017

c.   The code has an issue: the URL protocol should be 'mongodb:' 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:' ✔

Your answer is correct.

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

◄ Week 4 Pre-Reading Quiz

Jump to...   ◆

Week 6 Pre-Reading Quiz ►

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Dashboard / My units / FIT2095_S2_2021 / Assessments / Week 6 Pre-Reading Quiz

Started on	Sunday, 29 August 2021, 9:42 PM
State	Finished
Completed on	Sunday, 29 August 2021, 9:49 PM
Time taken	6 mins 46 secs
Grade	**6.00** out of 10.00 (**60**%)

Print friendly format

Question 1

Correct

Mark 1.00 out of 1.00

Retrieve the first 50 documents with quantity between 100 and 150 inclusive.

Which of the following statements fulfills the above and is correct?

Select one:

- a.
```
Items.where('quantity').gte(100).lte(150).sort(50).exec(function (err, docs) {
 // Do something with Docs
});
```

- b.
```
Items.where('quantity').gte(100).lte(150).limit(50).function (err, docs) {
 // Do something with Docs
};
```

- c.
```
Items.where('quantity').gt(100).lt(150).limit(50).exec(function (err, docs) {
 // Do something with Docs
});
```

- d.
```
Items.where('quantity').gte(100).lte(150).limit(50).exec(function (err, docs) {
 // Do something with Docs
});
```
✔

Your answer is correct.

The correct answer is:
```
Items.where('quantity').gte(100).lte(150).limit(50).exec(function (err, docs) {
 // Do something with Docs
});
```

Question 2

Incorrect

Mark 0.00 out of 1.00

Develop a schema for items with two properties: itemName (String) and quantity (Integer). The quantity should be saved if it is Integer

(not decimal).

Which of the following fulfills the above requirements and is correct?

Hint: https://www.w3schools.com/jsref/jsref_isinteger.asp

Select one:

○ a.   Declaring the quantity field data type as Number would be enough.   ✖

```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: Number
});
```

○ b.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        validate: {
            validator: Number.isInteger,
            message: 'The quantity is not an integer value'
        }
    }
});
```

○ c.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        validate: {
            validator: function(quantity){Number.isInteger(quantity);},
            message: 'The quantity is not an integer value'
        }
    }
});
```

○ d.

```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        validate: {
            validator: isInteger,
            message: 'The quantity is not an integer value'
        }
    }
});
```

Your answer is incorrect.

The correct answer is:

```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        validate: {
            validator: Number.isInteger,
            message: 'The quantity is not an integer value'
        }
    }
});
```

Question **3**

Correct

Mark 1.00 out of 1.00   ✖

```
let author1 = new Author({
 _id: new mongoose.Types.ObjectId(),
 name: {
      firstName: 'Tim',
      lastName: 'John'
   },
 age: 80
});
```

Find all the documents with the first name equals 'Tim'. Which of the following is correct?

Select one:

○ a.
```
Items.findOne({ 'firstName': 'Tim' }, function (err, docs) {
   //Do something
});
```

○ b.
```
Items.find({ 'name.firstName': /^Tim/ }, function (err, docs) {
   //Do something
});
```

○ c.
```
Items.find({ name.firstName: 'Tim' }, function (err, docs) {
   //Do something
});
```

◉ d.
```
Items.find({ 'name.firstName': 'Tim' }, function (err, docs) {
   //Do something
});
```
                                                                                              ✔

○ e.
```
Items.find({ 'name.firstname': 'Tim' }, function (err, docs) {
   //Do something
});
```

Your answer is correct.

The correct answer is:
```
Items.find({ 'name.firstName': 'Tim' }, function (err, docs) {
   //Do something
});
```

Question **4**

Incorrect

Mark 0.00 out of 1.00

The following statement creates a new Model for the 'itemSchema' schema.

```
module.exports = mongoose.model('Items', itemSchema);
```

What does 'Items' represent?

Select one:

◉ a.   The name of the database the schema will connect to   ✖

○ b.   The name of the server that hosts the database

    c.   The name of the items' collection

    d.   The name of the primary key column

    e.   Just a unique name to identify the schema

Your answer is incorrect.

The correct answer is: The name of the items' collection

Question 5

Correct

Mark 1.00 out of 1.00

Mongoose is an Object Data Modeling (ODM) library for MongoDB and Node.js.

With respect to Mongoose, which of the following statements is false?

Select one:

    a.   In order to use Mongoose, you must have a reference to MongoDB module.   ✔

```
const mongodb=require('MongoDB');
const mongoose = require('mongoose');
```

    b.   Query functions -such as findOne and UpdateMany- are accessible through Models, not schemas.

    c.   Using Mongoose, you can build your own validation function.

    d.   Using Mongoose, you can strongly-typed MongoDB collections.

    e.   With Mongoose, I am able to implement One-To-Many relationship between collections

Your answer is correct.

The correct answer is: In order to use Mongoose, you must have a reference to MongoDB module.
```
const mongodb=require('MongoDB');
const mongoose = require('mongoose');
```

Question 6

Correct

Mark 1.00 out of 1.00

Develop a schema for two properties: itemName (String) and quantity (Number) where the item quantity is a positive number.

Which of the following statements fulfills the above requirements and is correct?

Select one:

    a.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        validate: {
                validator: function (newQuantity) { return newQuantity < 0;},
                message: 'The value is not positive'
            }
        }
});
```

    b.   ✔
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
```

```
            type: Number,
            validate: {
                    validator: function (newQuantity) { return newQuantity >= 0;},
                    message: 'The value is not positive'
            }
        }
    });
```

○ c.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
            type: Number,
            validate: {
                    function (newQuantity) { return newQuantity >= 0;},
                    message: 'The value is not positive'
            }
        }
    });
```

○ d.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
            type: Number,
            validate: {
                    validator: function (newQuantity) { if(newQuantity >= 0) console.log('It is not positive);}
            }
        }
    });
```

○ e.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
            type: Number,
            validate: function (newQuantity) { return newQuantity >= 0};
        }
    });
```

Your answer is correct.

The correct answer is:
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
            type: Number,
            validate: {
                    validator: function (newQuantity) { return newQuantity >= 0;},
                    message: 'The value is not positive'
            }
        }
    });
```

Question **7**

Correct

Mark 1.00 out of 1.00

Develop a Mongoose schema that consists of two properties: item name (string) and quantity (integer). The quantity should be required and has a default value = 0.

which of the following fulfills the above requirements and correct?

Select one:

○ c.   `var itemSchema = mongoose.Schema({`

a.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        required: 'True',
        default: 0
    }
});
```

b.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        required: true,
        default: 0
    }
});
```
✔

c.
```
var itemSchema = MongoDB.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        required: true,
        default: 0
    }
});
```

d.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.Id,
    itemName: String,
    quantity: {
        type: Integer,
        required: true,
        default: 0
    }
});
```

e.
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Integer,
        required: true,
        default: 0
    }
});
```

Your answer is correct.

The correct answer is:
```
var itemSchema = mongoose.Schema({
    _id: mongoose.Schema.Types.ObjectId,
    itemName: String,
    quantity: {
        type: Number,
        required: true,
        default: 0
    }
});
```

Question **8**

Correct

Mark 1.00 out of 1.00

```
let author1 = new Author({
      _id: new mongoose.Types.ObjectId(),
      name: {
            firstName: 'Tim',
            lastName: 'John'
      },
      age: 80
});

author1.save(function (err) {
      if (err) throw err;

      console.log('Author successfully Added to DB');
 };

var book1 = new Book({
      _id: new mongoose.Types.ObjectId(),
      title: 'FIT2095 Book ',
      author: author1._id,
       isbn: '123456',
   });

book1.save(function (err) {
 if (err) throw err;

 console.log('Book1 successfully Added to DB');
 });
```

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

Select one:

- ◉ a. The code has an issue.   ✔

    The creating and saving of book1 should be done inside author1.save() callback function due to the asynchronous call of I/O
    operations

- ○ b. The code is perfect and has no issue

- ○ c. The code has an issue.

    Both author1 and book1 will be saved in the same collection.

- ○ d. The code a syntax error.

    It uses 'var' instead of 'let'

Your answer is correct.

The correct answer is: The code has an issue.
The creating and saving of book1 should be done inside author1.save() callback function due to the asynchronous call of I/O operations

Question **9**

Incorrect

Mark 0.00 out of 1.00

Assume you have this Mongoose URL:

```
let url='mongodb://localhost:27017/Travel';
```

What does the word 'Travel' represent?

Select one:

  ⦿   a.   Collection name   ✖

  ○   b.   last part of the server's address

  ○   c.   Database name

  ○   d.   MongoDB replica name

Your answer is incorrect.

The correct answer is: Database name

Question 10

Incorrect

Mark 0.00 out of 1.00

Which of the following is false about the presented code?

```
let bookSchema = mongoose.Schema({
_id: mongoose.Schema.Types.ObjectId,
    title: {
            type: String,
            required: true
        },
    isbn: String,
    author: {
            type: mongoose.Schema.Types.ObjectId,
            ref: 'Author'
        },
    created: {
            type: Date,
            default: Date.now
        }
});
```

Select one:

  ⦿   a.   the field isbn is optional   ✖

  ○   b.   the presented code declares a schema without a Model

  ○   c.   the field author is a reference to another schema (document)

  ○   d.   the field **created** is mandatory

Your answer is incorrect.

The correct answer is: the field **created** is mandatory

◄ Week 5 Pre-Reading Quiz

Jump to...

Week 7 Pre-Reading Quiz ►

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| / My units / / / |

Started on	Sunday, 5 September 2021, 10:39 AM
State	Finished
Completed on	Sunday, 5 September 2021, 10:40 AM
Time taken	1 min 50 secs
Grade	**9.00** out of 10.00 (**90**%)

Print friendly format

Question 1
Correct
Mark 1.00 out of 1.00

Which HTTP protocol is most suitable for updating documents in backend server?

Select one:
- a. PUT   ✔
- b. POST
- c. GET
- d. DELETE

Your answer is correct.

The correct answer is: PUT

Question 2
Correct
Mark 1.00 out of 1.00

Which status code you should use if no document is found?

Select one:
- a. 500
- b. 400
- c. 200
- d. 404   ✔
- e. 405

Your answer is correct.

The correct answer is: 404

Question 3

Correct

Mark 1.00 out of 1.00

If collection A references collection B, what should you use to retrieve documents from A and their corresponding documents in B?

Select one:

○ a.   Model.find() and populate() functions   ✔

○ b.   Model.exec() only

○ c.   Model.populate() only

○ d.   Model.find() and .exec() functions

○ e.   Model.find() only

○ f.   Model.find() and .limit() functions

Your answer is correct.

The correct answer is: Model.find() and populate() functions

Question 4

Correct

Mark 1.00 out of 1.00

If 'res' is the response object of an incoming request, which of the following is the right function to respond in JSON format?

Select one:

○ a.   res.json()   ✔

○ b.   res.sendJSON()

○ c.   res.send()

○ d.   toJSON(res)

○ e.   res.toJSON()

Your answer is correct.

The correct answer is: res.json()

Question 5

Incorrect

Mark 0.00 out of 1.00

---

consider the following code:

```
getOne: function (req, res) {
  Movie.findOne({ _id: req.params.id })
    .populate('actors')
    .exec(function (err, movie) {
      if (err) return res.status(400).json(err);
      if (!movie) return res.status(404).json();
```

```
    IT (!movie) return res.status(404).json();
        res.json(movie);
    });
}
```

Which of the following is true?

Select one:

○ a. 'actors' is an empty array that will be filled by populate function   ✗

○ b. 'actors' is a collection name

○ c. 'actors' is an array of actors' details

○ d. 'actors' a field represents an ID (reference) or an array of IDs

Your answer is incorrect.

The correct answer is: 'actors' a field represents an ID (reference) or an array of IDs

---

Question **6**

Correct

Mark 1.00 out of 1.00

With respect to Model.create() function, which of the following is true?

Select one:

○ a. .create creates new database for the Model

○ b. .create creates a new schema for the Model's collection

○ c. .create creates a new document in the Model's collection   ✔

○ d. .create creates a new Model for the provided schema

Your answer is correct.

The correct answer is: .create creates a new document in the Model's collection

---

Question **7**

Correct

Mark 1.00 out of 1.00

With respect to RESTFul API, which of the following is false?

Select one:

○ a. RESTFul API dependents of the type of platform   ✔

○ b.   REST is based on standard HTTP operations

○ c. RESTFul ensures the separation between the client and the server

○ d. Resources in RESTFul API are assigned individual URIs

Your answer is correct.

The correct answer is: RESTFul API dependents of the type of platform

Question **8**

Correct

Mark 1.00 out of 1.00

RESTFul is a stateless architecture.

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

Select one:

a. it relies on session state stored at the server side.

b. In stateless RESTFul apps, multiple requests have no effects

c. no information is retained by either sender or receiver. It is dependent only on the input parameters that are supplied.   ✔

d. Stateless RESTFul apps can only serve HTML clients

Your answer is correct.

The correct answer is: no information is retained by either sender or receiver. It is dependent only on the input parameters that are supplied.

Question **9**

Correct

Mark 1.00 out of 1.00

Assume you have the following fragment of code:

```
1   updateOne: function (req, res) {
2    Actor.findOneAndUpdate({ _id: req.params.id }, req.body, function (err, data) {
3        if (err) return res.status(400).json(err);
4        if (!data) return res.status(404).json();
5        res.json(data);
6    });
7   }
```

@line 2, what is **Actor**?

Select one:

a. document

b. schema

c. model   ✔

d. collection

e. reference to Mongoose module

Your answer is correct.

The correct answer is: model

Question **10**

Correct

Mark 1.00 out of 1.00

With respect to the following line of code, what is the data type of **param1** and **param2**?

```
    module.exports = mongoose.model(param1,param2);
```

Select one:

- a.   String, mongoose.Model
- b.   mongoose.Model,String
- c.   String, mongoose.Schema   ✔
- d.   Array of documents, String
- e.   Collection, String

Your answer is correct.

The correct answer is: String, mongoose.Schema

◀ Week 6 Pre-Reading Quiz

Jump to...

Week 8 Pre-Reading Quiz ▶

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Started on	Saturday, 11 September 2021, 9:07 PM
State	Finished
Completed on	Saturday, 11 September 2021, 9:15 PM
Time taken	8 mins 25 secs
Grade	**9.50** out of 10.00 (**95**%)

Print friendly format

Question **1**

Correct

Mark 1.00 out of 1.00

Which of the following is false regarding Angular CLI?

Select one:

- ○ a. we have to install all the required packages using 'npm install' command ✓

- ○ b. ng new creates and builds new Angular application that follows the good practices.

- ○ c. the CLI has a built-in HTTP server

- ○ d. ng generate 'component-name' adds a component to the current project

Your answer is correct.

The correct answer is: we have to install all the required packages using 'npm install' command

Question **2**

Correct

Mark 1.00 out of 1.00

Which of the following is the correct implementation for the below requirement?

```
Display 'Done' if the length of the array 'list' becomes 10.
```

Select one:

- ○ a. <div *ngif="list.length==10">Done</div>

- ○ b. <div *ngFor="list.length==10">Done</div>

- ○ c. <div *ngIf="list.length=10">Done</div>

- ○ d. <div ngIf="list.length==10">Done</div>

- ○ e. <div *ngIf="list.length==10">Done</div> ✓

Your answer is correct.

The correct answer is: <div *ngIf="list.length==10">Done</div>

Question 3

Correct

Mark 1.00 out of 1.00

Assume you have the following Angular app:

app.component.ts

```
1  import { Component } from '@angular/core';
2  @Component({
3    selector: 'app-root',
4    templateUrl: './app.component.html',
5    styleUrls: ['./app.component.css']
6  })
7  export class AppComponent {
8    age=25;
9  }
```

and app.component.html

```
1  <p>
2   <input />
3  </p>
```

What should you do link the input element in app.component.html @line2 with the property age in app.component.ts @line8 using two-way binding?

Select one or more:

- [ ] a.   change the input element to <input value={{age}}>
- [ ] b.   import the FormsModule and add it to the app.component.ts
- [x] c.   import the FormsModule package and add it to the NgModule   ✔
- [x] d.   change the input element to <input [(ngModel)]="age">   ✔
- [ ] e.   change the input element to <input value="age">
- [ ] f.   install bootstrap using npm CLI

Your answer is correct.

The correct answers are: change the input element to <input [(ngModel)]="age">, import the FormsModule package and add it to the NgModule

---

Question 4

Partially correct

Mark 0.50 out of 1.00

Which of the following is false about Angular?

Select one or more:

- [x] a.   Angular is written in TypeScript.   �’
- [ ] b.   Angular cannot be used for backend development
- [x] c.   Angular is a backend and frontend framework   ✔
- [ ] d.   Angular is a JavaScript library

   ☐ e. I can use JavaScript code inside Angular

   ☐ f. Angular has its own Command Line Interface (CLI)

Your answer is partially correct.

You have correctly selected 1.
The correct answers are: Angular is a JavaScript library, Angular is a backend and frontend framework

---

Question 5

Correct

Mark 1.00 out of 1.00

Every Angular app has at least one ----?

Select one:

   ◉ a. NgModule class   ✔

   ◯ b. Service

   ◯ c. HTML template

   ◯ d. Dependency Injection

   ◯ e. Pipe

Your answer is correct.

The correct answer is: NgModule class

Question 6

Correct

Mark 1.00 out of 1.00

You have a button that should invoke a function named 'callMe' in the component if a click event occurs. Which of the following is the correct implementation?

Select one:

   ◯ a. `<button name="incBtn" (click)="callMe">Click Me</button>`

   ◯ b. `<button name="Click" (dblclick)="callMe()">Click Me</button>`

   ◯ c. `<button name="incBtn" click="callMe()">Click Me</button>`

   ◉ d. `<button name="incBtn" (click)="callMe()">Click Me</button>` ✔

Your answer is correct.

The correct answer is:
`<button name="incBtn" (click)="callMe()">Click Me</button>`

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following is not controlled by Angular Modules?

Select one:

○ a. pipes

○ b. Services

○ c. directives

◉ d. HTML   ✔

○ e. Components

Your answer is correct.

The correct answer is: HTML

Question **8**

Correct

Mark 1.00 out of 1.00

Assume you have declared an array called 'names' in app.component.ts and your intension is to list its values in app.components.html. You have implemented the following:

```
1  <table>
2    <tr>
3      <th> Item </th>
4    </tr>
5    <tr for "let item : names">
6      <td>{{item}}</td>
7    </tr>
8  </table>
```

But, the code throws an exception at line 5. Which of the following is the right implementation for line 5?

Select one:

○ a.   <tr [ngSwitch]="names">

◉ b.   <tr *ngFor="let item of names">   ✔

○ c.   <tr *ngFor="let items of names">

○ d.   <tr *ngIf="names.length>0">

○ e.   <tr for(let i=0;i<names.length;i++)>

Your answer is correct.

The correct answer is: <tr *ngFor="let item of names">

Question **9**

Correct

Mark 1.00 out of 1.00

Assume you have the following Angular app:

app.component.ts

```
1  import { Component } from '@angular/core';
2  @Component({
3    selector: 'app-root',
4    templateUrl: './app.component.html',
```

```
5       styleUrls: ['./app.component.css']
6    })
7    export class AppComponent {
8       age=25;
9    }
```

and app.component.html

```
1    <p>
2
3    </p>
```

What statement should you implement in app.component.html @line2 to display the value of age (app.component.ts @line8)?

Select one:

  a. {age}

  b. [[age]]

  ◉ c. {{age}}   ✔

  d. age

  e. ((age))

Your answer is correct.

The correct answer is: {{age}}

Question 10

Correct

Mark 1.00 out of 1.00

Which of the following is false regarding TypeScript?

Select one:

  a. TypeScript is a cross-platform language

  b. TypeScript code should transpiled to JavaScript before publishing the code

  ◉ c. TypeScript does not support OOP   ✔

  d. TypeScript is strong typed language

  e. Internet browsers do not understand TypeScript

Your answer is correct.

The correct answer is: TypeScript does not support OOP

Jump to...

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FIT2095 e-Business software technologies - S2 2021

Dashboard / My units / FIT2095_S2_2021 / Assessments / Week 9 Pre-Reading Quiz

Started on	Sunday, 19 September 2021, 2:40 PM
State	Finished
Completed on	Sunday, 19 September 2021, 2:46 PM
Time taken	5 mins 58 secs
Grade	**9.00** out of 10.00 (**90**%)

Print friendly format

Question **1**

Correct

Mark 1.00 out of 1.00

Assume:

- http is an instance of HttpClient
- httpOptions is an object contains HttpHeaders
- data: a JSON object contains the row data
- pathname for POST is '/api'

Which of the following is a correct POST statement?

Select one:

○ a. `this.http.post("/api", data, httpOptions);` ✔

○ b. `this.post("/api", data, httpOptions);`

○ c. `this.http.post("/api", httpOptions,data);`

○ d. `this.http.put("/api", data, httpOptions);`

○ e. `this.http.post(httpOptions, data,"/api");`

Your answer is correct.

The correct answer is:

`this.http.post("/api", data, httpOptions);`

Question **2**

Correct

Mark 1.00 out of 1.00

Assume your server-side (Node.js) and client-side (Angular) codes are at the same root folder and you have made changes to both sides.

Which combination of commands should be used to run the app?

Which combination of commands should be used to run the app?

Select one:

- a.   ng serve
- b.   npm start
- c.   ng build && node server.js   ✔
- d.   node serve.js
- e.   ng serve && node serve.js

Your answer is correct.

The correct answer is: ng build && node server.js

Question **3**

Correct

Mark 1.00 out of 1.00

Assume you have this component:

```
import { Component, OnInit } from '@angular/core';
@Component({
    selector: 'app-actor',
    templateUrl: './actor.component.html',
    styleUrls: ['./actor.component.css']
})
export class ActorComponent implements OnInit {
   constructor() { }
   ngOnInit() {}
}
```

How does function ngOnInit() will get invoked?

Select one:

- a.   Angular calls it shortly after creating the component   ✔
- b.   A call should be made inside the constractor
- c.   A button in the template has to invoke this method
- d.   Angular calls it shortly after creating the root module
- e.   Angular calls it shortly after creating all the app's services

Your answer is correct.

The correct answer is: Angular calls it shortly after creating the component

---

Question **4**

Correct

Mark 1.00 out of 1.00

To create a new component named 'movie' in an application named 'w9wsq', which of the following is the correct CLI statement?

Select one:

- a.   npm generate component movie w9wsq
- b.   ng new component movie

    c.　ng component generate movie w9wsq

    d.　ng g c movie　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　✔

Your answer is correct.

The correct answer is: ng g c movie

Question 5

Incorrect

Mark 0.00 out of 1.00

Which of the following is false about Angular Services?

Select one:

    a.　for the service to be accessible application-wide, it has to be registered as provider in the app module

    b.　The service can be used as a platform for inter-component communication　　　　✘

    c.　A service is a function that can be shared between components

    d.　There is a possibility to create a service using Angular CLI

Your answer is incorrect.

The correct answer is: A service is a function that can be shared between components

---

Question 6

Correct

Mark 1.00 out of 1.00

Given the following statement:

```
constructor(private dbService: DatabaseService) {}
```

What is **dbService**?

Select one:

    a.　A reference to a dependency which is class represents a service　　　　　　✔

    b.　A reference to a function to be injected by Angular

    c.　A reference to a class represents a component

    d.　A reference to a private/local class

Your answer is correct.

The correct answer is: A reference to a dependency which is class represents a service

---

Question 7

Correct

Mark 1.00 out of 1.00

Assume you have this statement:

```
<aclass="btn btn-primary" (click)="changeSection(4)">Delete Actor</a>
```

What sort of data binding is implemented (if available)?

Select one:

○ a.   property binding

◉ b.   event binding   ✔

○ c.   two-way binding

○ d.   no data binding

Your answer is correct.

The correct answer is: event binding

Question **8**

Correct

Mark 1.00 out of 1.00

Which of the following is false about Dependency Injection (DI)?

Select one:

◉ a.   It is a built-in class that injects services to components   ✔

○ b.   Dependency Injection (DI) is a software design pattern

○ c.   DI has an injector that is responsable for creating components, resolving their dependencies, and providing them to other
        components as requested.

○ d.   The list of dependencies of a component can be found in the constructor parameter types

Your answer is correct.

The correct answer is: It is a built-in class that injects services to components

---

Question **9**

Correct

Mark 1.00 out of 1.00

To create a new Angular application named 'w9wsq', Which of the following is the correct CLI statement?

Select one:

○ a.   ng generate w9wsq

○ b.   npm new w9wsq

◉ c.   ng new w9wsq   ✔

○ d.   ng create w9wsq

○ e.   npm new --Angular w9wsq

Your answer is correct.

The correct answer is: ng new w9wsq

Question **10**

Correct

Mark 1.00 out of 1.00

What type of data binding is used in this statement?

```
<inputtype="text" class="form-control" id="actorName" [(ngModel)]="fullName">
```

Select one:

- a. one-way binding
- b. There is no data binding
- c. two-way binding ✔
- d. event binding
- e. property binding

Your answer is correct.

The correct answer is: two-way binding

◄ Week 8 Pre-Reading Quiz

Jump to...

Week 10 Pre-Reading Quiz ►

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FIT2095 e-Business software technologies - S2 2021

Dashboard / My units / FIT2095_S2_2021 / Assessments / Week 10 Pre-Reading Quiz

Started on	Sunday, 3 October 2021, 6:21 PM
State	Finished
Completed on	Sunday, 3 October 2021, 6:45 PM
Time taken	23 mins 23 secs
Grade	**8.00** out of 10.00 (**80**%)

Print friendly format

Question 1

Incorrect

Mark 0.00 out of 1.00

The following line represents a link that sould be manged by an Angular router.

```
<a href="/addactor" > Add </a>
```

But the code is wrong. Which of the following options has the correct code?

Select one:

- ○ a. `<a routerLink="/addactor" >Add </a>`
- ◉ b. `<a href="/addactor" routerLinkActive="active"> Add </a>`   ✖
- ○ c. `<a class="nav-link" href="/addactor">Add </a>`
- ○ d. `<a class="nav-link" href="/addactor" routerLinkActive="active">Add </a>`

Your answer is incorrect.

The correct answer is:

```
<a routerLink="/addactor" >Add </a>
```

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is/are true regarding Single Page Applications?

Select one or more:

- ☐ a. SPAs are more secure than MPAs
- ☑ b. SPAs have better response time   ✔

☑ b.   SPAs have better response time

☐ c.   SPAs are quicker in booting than MPAs

☐ d.   SPAs do not require server side.

☑ e.   SPAs might get higher booting time   ✔

Your answer is correct.

The correct answers are: SPAs might get higher booting time, SPAs have better response time

---

Question 3

Correct

Mark 1.00 out of 1.00

In the @NgModuleof app.module.ts, providers is an array of

Select one:

○ a.   modules

○ b.   components

◉ c.   services   ✔

○ d.   styles

Your answer is correct.

The correct answer is: services

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following is true regarding Single Page Application URL routing?

Select one:

○ a.   have a routing engine at the client sides only

◉ b.   can have a routing engine at the server and client sides   ✔

○ c.   can have a routing engine at the server only

○ d.   SPA does not require a routing engine.

Your answer is correct.

The correct answer is: can have a routing engine at the server and client sides

---

Question 5

Correct

Mark 1.00 out of 1.00

The router matches that URL to the route path and displays the ------ after a Router Outlet.

Select one:

○ a.   The view of the selected module

○ a.   The view of the selected module

○ b.   index.html

○ c.   The server's response

○ d.   The output of the selected service

⦿ e.   The view of the selected component   ✔

Your answer is correct.

The correct answer is: The view of the selected component

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following is true regarding Single Page Applications?

Select one or more:

☑ a.   SPAs have better offline capabilities   ✔

☐ b.   The whole SPA engine will be at the server side.

☑ c.   Part of the SPA app engine will be at the client side.   ✔

☐ d.   The whole SPA engine will be at the client side.

☐ e.   SPAs do not have offline capabilities

Your answer is correct.

The correct answers are: Part of the SPA app engine will be at the client side., SPAs have better offline capabilities

---

Question 7

Correct

Mark 1.00 out of 1.00

Which Cloud Computing model would best fit "Creating a VM instance and manage it manually"?

Ref: https://aws.amazon.com/types-of-cloud-computing/

Select one:

⦿ a.   IaaS   ✔

○ b.   PaaS

○ c.   SaaS

Your answer is correct.

The correct answer is: IaaS

Question 8

Incorrect

Mark 0.00 out of 1.00

Assume you have developed an application and you decided to deploy it on the cloud but without the complexity of building and

maintaining the infrastructure.

Which platform fits best your needs?

Select one:

  ○ a. IaaS

  ○ b. PaaS

  ◉ c. SaaS   ✖

Your answer is incorrect.

The correct answer is: PaaS

Question 9

Correct

Mark 1.00 out of 1.00

Can I have multiple Router-outlet tags in my app?

Do some research: https://angular.io/api/router/Routes

Select one:

  ◉ a. Yes, but the auxiliary outlet has to get a unique name to be used in the routing paths   ✔

  ○ b. No only one default router should be declared

Your answer is correct.

The correct answer is: Yes, but the auxiliary outlet has to get a unique name to be used in the routing paths

---

Question 10

Correct

Mark 1.00 out of 1.00

Given this import statement from app.module.ts

```
RouterModule.forRoot(appRoutes),
```

The data type of appRouters is:

Select one:

  ○ a. a string represents a path

  ◉ b. an array of objects where each object represents a path   ✔

  ○ c. one object represents a path

  ○ d. object of objects where each object represents a path

Your answer is correct.

The correct answer is: an array of objects where each object represents a path

Jump to...

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FIT2095 e-Business software technologies - S2 2021

Dashboard / My units / FIT2095_S2_2021 / Assessments / Week 11 Pre-reading Quiz

Started on	Sunday, 10 October 2021, 10:43 PM
State	Finished
Completed on	Sunday, 10 October 2021, 10:46 PM
Time taken	3 mins 38 secs
Grade	**9.00** out of 10.00 (**90**%)

Print friendly format

Question **1**

Correct

Mark 1.00 out of 1.00

Which of the following options is false with respect to Google Cloud Services?

Select one:

○ a.   It has a billing mechanism called pay as you go

○ b.   can be acessed via code or CLI

○ c.   the service's infrastructure is fully managed by Google

◉ d.   It is only available in Node.js   ✔

Your answer is correct.

The correct answer is: It is only available in Node.js

Question **2**

Correct

Mark 1.00 out of 1.00

```
this.socket.emit("newMsg", this.messageText);
```

With respect to the statement above which is excerpted from pp.component.ts, what is the role of "newMsg"

Select one:

○ a.   the message

○ b.   confirmation text

◉ c.   name of the event   ✔

○ d.   name of the server

Your answer is correct.

The correct answer is: name of the event

Question 3

Correct

Mark 1.00 out of 1.00

What datatype can Socket.io emit?

Select one:

○ a.   number

○ b.   objects

◉ c.   Any serializable data structures can be emitted.   ✔

○ d.   strings

Your answer is correct.

The correct answer is: Any serializable data structures can be emitted.

Question 4

Correct

Mark 1.00 out of 1.00

Socket.io is attached to an instance of ----

Select one:

○ a.   express app

○ b.   http object

○ c.   http.socket

◉ d.   http.server   ✔

Your answer is correct.

The correct answer is: http.server

Question 5

Correct

Mark 1.00 out of 1.00

```
Set the environment variable GOOGLE_APPLICATION_CREDENTIALS to the file path of the JSON file that contains your service
account key.
```

What does the service account key contain?

Select one:

Select one:

○ a. account public key

◉ b. account private key ✔

○ c. Account user name and email only

○ d. account unique ID only

Your answer is correct.

The correct answer is: account private key

Question **6**

Correct

Mark 1.00 out of 1.00

```
client.synthesizeSpeech(request, (err, response) => {

}
```

With respect to the code above which converts a text to a speech, what is the datatype of 'request'?

Select one:

○ a. array of characters

◉ b. string ✔

○ c. function

○ d. Object

Your answer is correct.

The correct answers are: Object, string

Question **7**

Incorrect

Mark 0.00 out of 1.00

```
io.on("connection",function(socket){
 //Your code
}
```

With respect to the code above which is excerpted from the server side, the input parameter **socket** represents:

Select one:

◉ a. response object ✖

○ b. a common endpoint socket to all the connections

○ c. a socket to a new client

○ d. the server's socket

Your answer is incorrect.

The correct answer is: a socket to a new client

Question **8**

Correct

Mark 1.00 out of 1.00

Socket.io uses heartbeat mechanism to:

Select one:

○ a.   New connection detection

○ b.   Messages delivery detection

○ c.   Network delay detection

◉ d.   Disconnection detection   ✔

Your answer is correct.

The correct answer is: Disconnection detection

Question **9**

Correct

Mark 1.00 out of 1.00

```
io.sockets.emit("anotherEventName", data);
```

With respect to the statement above which is excerpted from the server side, the data will be delivered to:

Select one:

○ a.   to a group of clients

◉ b.   all the clients currently connected to the server   ✔

○ c.   new connections only

○ d.   Single client

Your answer is correct.

The correct answer is: all the clients currently connected to the server

---

Question **10**

Correct

Mark 1.00 out of 1.00

To emit a message to all clients except sender, the server has to use:

Select one:

○ a.   io.sockets.broadcast.emit()

○ b.   socket.to('clients').emit()

◉ c.   socket.broadcast.emit()   ✔

○ d.   sockets.emit()

Your answer is correct.

The correct answers are: socket.broadcast.emit(), sockets.emit()

◄ Week 10 Pre-Reading Quiz

Jump to...

Week 12 Pre Reading Quiz ►

MONASH University

FIT2095 e-Business software technologies - S2 2021

Started on	Monday, 18 October 2021, 3:26 AM
State	Finished
Completed on	Monday, 18 October 2021, 3:30 AM
Time taken	4 mins 13 secs
Grade	**10.00** out of 10.00 (**100**%)

Print friendly format

Question 1

Correct

Mark 2.00 out of 2.00

Regarding the query selector injection, which of the following is false?

Select one:

- a.   It attacks MongoDB only.   ✔
- b.   Occurs with POST requests
- c.   can be to mitigated by casting the payload to strings
- d.   It uses built-in query operator

Your answer is correct.

The correct answer is: It attacks MongoDB only.

Question 2

Correct

Mark 2.00 out of 2.00

Onelogin is--------.

Select one:

- a.   Identity and access management that works locally
- b.   login frontend library
- c.   Identity and access management provider   ✔
- d.   Database management System for storing users credentials only

Your answer is correct.

The correct answer is: Identity and access management provider

Question **3**

Correct

Mark 2.00 out of 2.00

Regarding PassportJS with Google strategy, which of the following options is false?

Select one:

○ a.   two routes are required for PassportJS-Google to work, one if authentication fails, and another it authentication successes.

○ b.   PassportJS-Google supports oAuth 1.0 and oAuth 2.0 protocols.

◉ c.   You do not need to have a Google account, PassportJS will create one for you   ✔

○ d.   You should have an account with Google

Your answer is correct.

The correct answer is: You do not need to have a Google account, PassportJS will create one for you

Question **4**

Correct

Mark 2.00 out of 2.00

With respect to Firebase, which of the following is false?

Select one or more:

☑ a.   Firebase is a NoSQL database system that supports tables and rows   ✔

☐ b.   Firebase can be used to notify millions of online users that are connected the database and listening to changes

☐ c.   Firebase is a database management system that works offline

☑ d.   Firebase is a relational database system   ✔

Your answer is correct.

The correct answers are: Firebase is a relational database system, Firebase is a NoSQL database system that supports tables and rows

Question **5**

Correct

Mark 2.00 out of 2.00

With respect to Amazon Rekognition, which of the following is false?

Select one or more:

☑ a.   It has no ability to extract text from images   ✔

☑ b.   It is a service by Amazon for Facial recognition only   ✔

☐ c.   It has an access to Amazon Cloud Storage S3

☐ d.   It can be used to build a biometric identification system

Your answer is correct.

The correct answers are: It is a service by Amazon for Facial recognition only, It has no ability to extract text from images

◄ Week 11 Pre-reading Quiz

Jump to...

Lab Week 2 ►

◄ Week 11 Pre-reading Quiz

Jump to...

Lab Week 2 ►