**Exam II**

**Full Stack Development Bootcamp**

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**Overall Grade: /100**

**JQuery (11 pts, 1 pt each)**

1. jQuery is a -
2. JavaScript method
3. JavaScript library
4. JSON library
5. PHP method

Ans. b

1. Which of the following sign is used as a shortcut for jQuery?
2. the % sign
3. the & sign
4. the $ sign
5. the @ sign

Ans. c

1. $(this) in jQuery is used when –
2. an HTML element references the entire document
3. an HTML element references its own action
4. an HTML element references the action of its parent element
5. All of the above

Ans. b

1. Which of the following jQuery method is used to hide the selected elements?
2. The hidden() method
3. The hide() method
4. The visible(false) method
5. The display(none) method

Ans. b

1. Which jQuery method is used to set one or more style properties to the selected element?
2. The html() method
3. The style() method
4. The css() method
5. All of the above

Ans. c

1. The jQuery selector used to select the elements containing the specified string is -
2. jQuery :contains selector
3. jQuery :lang() selector
4. jQuery :nth-child selector
5. None of the above

Ans. b

1. The selector $(":disabled") will select -
2. The elements with the text **":disabled"**
3. The elements that do not include the text **":disabled"**
4. The hidden elements
5. All disabled input elements

Ans. d

1. Which of the following method is used to remove the specified attribute from the selected element?
2. jQuery remove() method
3. jQuery empty() method
4. jQuery removeAttr() method
5. jQuery error() method

Ans. c

1. What does the syntax $("p") will select?
2. All paragraph elements
3. Only first paragraph element
4. Only last paragraph element
5. None of the above

Ans. a

1. Which of the following is the correct code in jQuery to make all div elements 150px high?
2. $("div").height(150);
3. $("div").height = "150" ;
4. $("div").height = 150 ;
5. None of the above

Ans. a

1. The :even and :odd filters in jQuery are used to –
2. determine if the number is odd or even
3. determine if the index position of an element is odd or even
4. both (a) & (b)
5. None of the above

Ans. b

**JSON (12 pts, 1 pt each)**

1. JSON is case-sensitive
2. True
3. False

Ans. True

1. In modern websites what is the common usage for JSON?

a. To store information remotely

b. To send and receive bits of data

c. To store information locally

d. None of the Above

Ans. a

1. Which of these is correct about the JSON standard?
2. It is an open standard
3. It is privately developed
4. It requires a license to use
5. none of the above

Ans. a

1. Which of the following code will throw an error?
2. JSON.parse(‘{}’);
3. JSON.parse(null);
4. JSON.parse(undefined);
5. JSON.parse(‘[]’);

Ans. c

1. What are two main structures composing JSON?
2. Arrays and Objects
3. Keys and values
4. Class and Objects
5. None of above

Ans. b

1. Which of the following is the limitation of JSON?
2. Too many data types
3. Complicated debugging
4. Support for only C
5. No limit on arrays and objects

Ans. b

1. Which is correct format of writing JSON name/value pair
2. 'name : value'
3. name = 'value'
4. name = "value"
5. "name" : "value"

Ans. d

1. JSON stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Java Standard Output Network
3. JavaScript Object Notation
4. JavaScript Output Name
5. Java Source Open Network

Ans. b

1. What is JSON data?
2. Exchanging data
3. Non-exchanging data
4. Changing data
5. None of these

Ans. a

1. How many types of JSON data?
2. 6
3. 4
4. 7
5. 3

Ans. a

1. Give an example of JSON object?
2. Data is in name/value pairs
3. Data is separated by comma
4. Curly brackets hold objects
5. Square bracket holds arrays

Ans. d

1. What is the return type of the method parseInt()?
2. String
3. Float
4. Integer
5. Date

Ans. c

**XML (12 pts, 1 pt each)**Bottom of Form

1. What does XML stand for?
2. Example Markup Language
3. X-Markup Language
4. eXtra Modern Link
5. eXtensible Markup Language

Ans. d

1. There is a way to describe XML data, how?
2. XML uses XSL to describe data
3. XML uses a description node to describe data
4. XML uses a DTD to describe the data
5. None of the Above

Ans. c

1. What is the correct syntax of the declaration which defines the XML version?
2. <?xml version= “1.0”?>
3. <?xml version= “1.0”/>
4. <xml version= “1.0”/>
5. None of the Above

Ans. a

1. Is this a "well formed" XML document?  
   <?xml version="1.0"?>  
   <note>  
   <to>Tove</to>  
   <from>Jani</from>  
   <heading>Reminder</heading>  
   <body>Don't forget me this weekend!</body>  
   </note>
2. Yes
3. No

Ans. a

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2. Yes
3. No

Ans. b

1. Which statement is NOT true?
2. XML elements must be properly nested
3. White-space is not preserved in XML
4. XML tags are case sensitive
5. XML documents must have a root tag

Ans. b

1. XML preserves white spaces
2. True
3. False

Ans. b

1. Which is not a correct name for an XML element?
2. <Note>
3. All 3 names are incorrect
4. <1dollar>
5. <h1>

Ans. c

1. XML attribute values must always be enclosed in quotes
2. True
3. False

Ans. a

1. Which statement is true?
2. Attributes must always be present
3. Attributes must occur in defined order
4. None of the other two statements are true

Ans. c

1. Which of the following XML fragments is well-formed?
2. <customer id= “3456”><address/><zip code=”3456”/></customer>
3. <customer id=3456><name>John Smith</name></customer>

Ans. b

1. Which XML DOM object represents a node in the node tree?
2. The document object
3. The node object
4. The nodeList object

Ans. b

**AJAX (5 pts, 1 pt each)**

1. Ajax is used for creating \_\_\_\_\_.
2. Web applications
3. Desktop applications
4. System applications
5. Both a and b

Ans. a

1. Ajax stands for \_\_\_\_\_\_.
2. Asynchronous JavaScript and XML
3. Asynchronous JSON and XML
4. Asynchronous Java and XML
5. Asynchronous JavaScript and XMLHttpRequest

Ans. a

1. Which of the following feature makes the Ajax unique?
2. It can work with all the databases
3. It is a server-side application can also be used to create servers
4. It can use Python & C++ for programming
5. It makes data requests asynchronously

Ans. d

1. Which are the triggers present in update panel?
2. PostTrigger and AsyncPostTrigger
3. PostBackTrigger and SyncPostBackTrigger
4. SyncPostBackTrigger and AsyncPostBackTrigger
5. PostBackTrigger and AsyncPostBackTrigger

Ans. d

1. What are the advantages of Ajax?
2. Bandwidth utilization
3. More interactive
4. Speeder retrieval of data
5. All of the above

Ans. d

**Git and GitHub (12 pts, 1 pt each)**

### What is the full form of GIT?

a. Gastro Intestional Track.

b. Gastro International Track.

c. Global information Tracker

d. None of these

Ans. c

2. Which of the following git command that downloads your repository from GitHub to your computer?

a.  git fork

b. git commit

c. git clone

d. git push

Ans. c

3. Which of the following shortcut to staging all the changes you have?

a. git push -am "Message"

b. git add.

c. git commit add.

d. git commit.

Ans. b

4. Identify the correct commit syntax for all changes with a message?

a. git add -a "I'm coding"

b. git commit -am "I'm coding"

c. git message -am "I'm coding"

d. None of these

Ans. b

5. What comes first, staging with git add. or committing with git commit?

a. Committing with git commit

b. Staging your commits with git add

c. None of these

Ans. b

6. How do you create a copy of a lab under your own GitHub account so that you can solve the lab?

a. Forking it via the GitHub interface.

b. git clone

c. git pull-request

d. git fork

Ans. a

7. Which of the following advantage of using GIT?

a. Collaboration friendly

b. Data redundancy and replication

c. Data redundancy and replication

d. All of the above

Ans. d

8. Which of the language is used in GIT?

a. C language

b.HTML language

c. C++ language

d. None of these

Ans. a

9. What is the function of ‘GIT PUSH’ in GIT?

a. ‘GIT PUSH’ updates remote refs.

b. ‘GIT PUSH’ updates remote refs along with associated objects.

c. ‘GIT PUSH’ remote refs along with associated objects.

d. None of these

Ans. b

10. Which of the following file you can configure to ensure that certain file types are never committed to the local Git repository?

a. .gitignore

b.gitignore.txt

c. git.ignore

d. ignore.git

Ans. c

11. Which of the following is not true in terms of git?

a. Staging area

b. Fork

c. Stem

d. Push

Ans. c

12. How do you save the current state of your code into the git version control?

a. Using git stage

b. Using git commit

c. Using git push

d. Using git add

Ans. b

**SQL Databases with PostgreSQL (12 pts, 1 pt each)**

1. How many tables may be included with a join?
2. One
3. Two
4. Three
5. All of the Mentioned

Ans. d

1. The SQL ALTER statement can be used to?
2. change the table data
3. change the table structure
4. delete rows from the table
5. add rows to the table

Ans. b

1. With SQL, how do you select a column named "FirstName" from a table named "Persons"?
2. SELECT Persons.FirstName
3. EXTRACT FirstName FROM Persons
4. SELECT FirstName FROM Persons
5. None of these

Ans. c

1. The command to remove rows from a table 'CUSTOMER' is
2. DROP FROM CUSTOMER ..
3. UPDATE FROM CUSTOMER ..
4. REMOVE FROM CUSTOMER ..
5. DELETE FROM CUSTOMER WHERE ..

Ans. d

1. A named collection of tables is called what in PostgreSQL?
2. Trigger
3. View
4. Schema
5. Diagram

Ans. c

1. If you don’t specify ASC or DESC, PostgreSQL will assume you want to see results:
2. in ascending order
3. grouped together by field type
4. in a random order
5. in descending order

Ans. a

1. What type of statement to eliminate duplicate rows from the result?
2. SELECT FROM
3. SELECT DISTINCT
4. SELECT WHERE
5. SELECT INTO

Ans. b

1. With SQL, how can you return the number of records in the "Persons" table?
2. SELECT COUNT(\*) FROM Persons
3. SELECT LEN(\*) FROM Persons
4. SELECT COLUMNS(\*) FROM Persons
5. SELECT NO(\*) FROM Persons

Ans. a

1. Which of the following query is correct for using comparison operators?
2. SELECT name, course\_name FROM student WHERE age>50 and <80;
3. SELECT name, course\_name FROM student WHERE age>50 and age<80;
4. SELECT name, course\_name FROM student WHERE age>50 and WHERE age<80;
5. None of these

Ans. b

1. Which statement can retrieve the first 5 films ordered by film\_id
2. SELECT film\_id, title, release\_year FROM film ORDER BY film\_id LIMIT 5 OFFSET 1;
3. SELECT film\_id, title, release\_year FROM film ORDER BY film\_id LIMIT 5;
4. SELECT film\_id, title, release\_year FROM film ORDER BY film\_id LIMIT 4 OFFSET 1;
5. None of these above.

Ans. b

1. The condition to check against a list of values is?
2. DISTINCT
3. IN
4. LIKE
5. BETWEEN

Ans. b

1. In SELECT statement querying a single table, the asterisk (\*) means that:
2. All columns of the table are to be returned
3. All records meeting the full criteria are to be returned
4. All records with even partial criteria met are to be returned
5. None of the above is correct

Ans. a

**NoSQL and MongoDB (21 pts, 1 pt each)**

1. Which of the following is not a NoSQL database?

1. Cassandra
2. MongoDB
3. SQL Server
4. None of the above

Ans. c

2. Which of the following is a nosql database type?

1. SQL
2. JSON
3. Document databases
4. None of the Above

Ans. c

3. Which of the following are the simplest NoSQL databases?

1. Key-value
2. Document
3. Wide-column
4. All of the above

Ans. a

4. What is the aim of nosql?

a. NoSQL is not suitable for storing structured data.

b. NoSQL databases allow storing non-structured data.

c. NoSQL is a new data format to store large datasets.

d. NoSQL provides an alternative to SQL databases to store textual data.

Ans. c

5. All nosql databases are similar. true or false.

a. True

b. False

Ans. b

6. What are the types of nosql databases

1. Document databases.
2. Key-value stores
3. Graph & Column-oriented databases.
4. All of the above

Ans. d

7. Which of the following represent column in NoSQL \_\_\_\_\_\_\_\_\_\_.

1. Field
2. Database
3. Collection
4. Document

Ans. a

8. NoSQL databases is used mainly for handling large volumes of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ data.

1. structured
2. unstructured
3. semi-structured
4. None of above

Ans. b

9.Which of the following is true of nosql databases?

1. They do not support very large amounts of sparse data.
2. They do not support distributed database architectures.
3. They are not based on the relational model
4. They are geared toward transaction consistency rather than performance.

Ans. c

10. MongoDB is a NoSQL database?

a. True

b. False

Ans. True

11. How to create a database in mongodb?

1. use databaseName
2. new databaseName
3. create databaseName
4. None of the above

Ans. a

12. Which of the following format is supported by MongoDB ?

1. XML
2. BSON
3. SQL
4. All

Ans. b

13.MongoDB is a \_\_\_\_\_\_\_\_\_ database that provides high performance, high availability, and easy scalability.

1. Graph
2. Key value
3. Document
4. All of the mentioned

Ans. c

14.Which field is always the first field in the document.?

1. \_id
2. Ob\_id
3. id
4. None of these

Ans. a

15. What name is given to Record in MongoDB?

1. Collections
2. Fields
3. Documents
4. Database

Ans. c

16. Which of the following will display details of sName "Sumit"?

1. db.Students.find({sName: "Sumit"})
2. db.Students.find({sName: "Sumit"},{"sName":1, "GPA":1, "\_id":0})
3. db.Students.find({sName: "Sumit"},{"sName":1, "GPA":0})
4. db.Students.find({sName: Sumit})

Ans. a

17. Command display the list of databases.

1. show db
2. show dbs
3. show data
4. display dbs

Ans. b

18. A collection and a document in MongoDB is equivalent to............. concepts respectively.

1. Table and Column
2. Table and Row
3. Column and Row
4. Database and Table

Ans. b

19. \_\_\_\_\_ is the command to create database named "myDB" in MongoDB.

1. use myDB
2. database
3. Both A & B
4. none of the above

Ans. a

20. What is the equivalent command in MongoDB for the following SQL query?SELECT \* FROM posts WHERE author like "%john%"

1. db.posts.find( { author: /john/ } )
2. db.posts.find( { author: {$like: /john/} } )
3. db.posts.find( { $like: {author: /john/} } )
4. db.posts.find( { author: /^john^/ } )

Ans. a

21. Which of the following line skips the first 5 documents in the bios collection and returns all remaining documents?

1. db.bios.find().limit( 5 )
2. db.bios.find().skip( 1 )
3. db.bios.find().skip( 5)
4. db.bios.find().sort( 5 )

Ans. c

**Node JS and Express JS (15 pts, 1 pt each)**

1. Node JS is
   1. Synchronous
   2. Asynchronous

Ans. b

1. What is the HTML tag under which one can write the JavaScript code?
2. <javascript>
3. <scripted>
4. <script>
5. <js>

Ans. c

1. Node.js is...
2. modular platform, meaning that much of the functionality is being built in to the platform
3. modular platform, meaning that much of the functionality is provided by external modules
4. modular platform, meaning that much of the functionality does not work without angular
5. modular what? I'm sorry, I wasn't paying attention

Ans. b

1. Node JS is multithreaded.
2. True
3. False

Ans. b

1. How Node.js modules are available externally
2. module.exports
3. module.spread
4. module.expose
5. none of the above

Ans. a

1. The $ npm ls statement is used to list down all the locally installed module?
2. True
3. False

Ans. a

1. NodeJs is \_\_\_\_\_\_\_\_\_\_\_ Language.
2. Server Side
3. Client Side
4. Both
5. None of the above

Ans. a

1. Node.js application can access which of the following databases?
2. NoSQL databases
3. relational databases
4. All of the above
5. None of the above

Ans. c

1. What is the advantage of using node.js?
2. Great concurrency
3. Generally fast
4. It provides an easy way to build scalable network programs
5. All of these

Ans. d

1. Module in Node.js is a simple or complex functionality organized in...
2. a single JavaScript file
3. single or multiple JavaScript files
4. the core built in functionality of Node.js
5. Node.js doesn't support modules functionality

Ans. b

1. Const arr = [1,2,3];[arr[2], arr[1]] = [arr[1], arr[2]];console.log(arr);
2. [3,1,2]
3. [1,3,2]
4. [1,2,3]
5. Both A & B

Ans. b

1. I want to extract 'hello' and 'array' from the array using destructuring
2. var [greeting,name] = ["Hello", "I" , "am", "Array"];
3. var [greeting,,,name] = ["Hello", "I" , "am", "Array"];
4. var array = ["Hello", "I" , "am", "Array"]; greeting = array[0];name = array[2];
5. All of above

Ans. b

1. Let a, b;[a=5, b=7] = [1];console.log(a); console.log(b)
2. 1 1
3. 5 7
4. 1 7
5. 5 1

Ans. c

1. Select all the correct options.
2. var[greeting = "hi", name = “Array"] = ["hello"];
3. let person = {name: "Object", country: "India", job: "Developer"};let {name = "Name", company = "Epsilon"} = person;
4. const message = `Some weird characters: \${abc}`;
5. var a = 10;var b = 5;var result = `The sum of ${a} and ${b} is ${a + b} difference is ${a-b}`;
6. All of above

Ans. e

1. Var func = function() { console.log(this)}.bind(1);func();
2. Number {1}
3. 1
4. window
5. All of above

Ans. a