

# Exam Questions JavaScript-Developer-I

Salesforce Certified JavaScript Developer I

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**NEW QUESTION 1**

Refer to the code below:

```
01 let o = {
02   get js() {
03     let city1 = String('St.Louis');
04     let city2 = String('New York');
05
06     return {
07       firstCity: city1.toLowerCase(),
08       secondCity: city2.toLowerCase(),
09     }
10   }
11 }
```

What value can a developer expect when referencing o.js.secondCity?

- A. Undefined
- B. 'new york'
- C. 'New York'
- D. An error

**Answer: B**

**NEW QUESTION 2**

A developer is setting up a new Node.js server with a client library that is built using events and callbacks. The library:

\* Will establish a web socket connection and handle receipt of messages to the server

\* Will be imported with require, and made available with a variable called ws.

The developer also wants to add error logging if a connection fails.

Given this info, which code segment shows the correct way to set up a client with two events that listen at execution time?

- A. 

```
04 ws.connect(() => {
05   console.log('Connected to client');
06 }).catch((error) => {
07   console.log('ERROR', error);
08 });
```
- B. 

```
04 ws.on('connect', () => {
05   console.log('Connected to client');
06
07   ws.on('error', (error) => {
08     console.log('ERROR', error);
09   });
10 });
```
- C. 

```
04 ws.on('connect', () => {
05   console.log('Connected to client');
06 });
07
08 ws.on('error', (error) => {
09   console.log('ERROR', error);
10 });
```
- D. 

```
04 try {
05   ws.connect(() => {
06     console.log('Connected to client');
07   });
08 } catch(error) {
09   console.log('ERROR', error);
10 }
```

**Answer: C**

**NEW QUESTION 3**

Given the code below: Function myFunction(){ A =5;

Var b =1;

}

myFunction(); console.log(a); console.log(b);

What is the expected output?

- A. Both lines 08 and 09 are executed, and the variables are outputted.
- B. Line 08 outputs the variable, but line 09 throws an error.
- C. Line 08 throws an error, therefore line 09 is never executed.
- D. Both lines 08 and 09 are executed, but values outputted are undefined.

**Answer: B**

#### NEW QUESTION 4

Refer to the HTML below:

```
<div id="main">
<ul>
<li>Leo</li>
<li>Tony</li>
<li>Tiger</li>
</ul>
</div>
```

Which JavaScript statement results in changing " Tony" to "Mr. T."?

- A. `document.querySelectorAll('$main $TONY').innerHTML = ' M`
- B. `;`
- C. `document.querySelector('$main li:second-child').innerHTML = ' M`
- D. `;`
- E. `document.querySelector('$main li.Tony').innerHTML = ' M`
- F. `;`
- G. `document.querySelector('$main li:nth-child(2)'),innerHTML = ' M`
- H. `;`

**Answer: D**

#### NEW QUESTION 5

Refer to the code below:

```
1 let car1 = new promise( (_, reject) =>
2   setTimeout(reject, 2000, "Car 1 crashed in"));
3 let car2 = new Promise(resolve => setTimeout(resolve, 1500, "Car 2 completed"));
4 let car3 = new Promise(resolve => setTimeout(resolve, 3000, "Car 3 Completed"));
5 Promise.race([car1, car2, car3]) .then(value => (
6   console.log("The race result is: ", value);
7   let result = $(value) the race. `;
8   ));
9 catch( err => (
10  console.log("Race is cancelled.", err);
11  ));
```

What is the value of result when Promise.race executes?

- A. Car 3 completed the race.
- B. Car 1 crashed in the race.
- C. Car 2 completed the race.
- D. Race is cancelled.

**Answer: C**

#### NEW QUESTION 6

Given the following code: `Let x =null; console.log(typeof x);`

What is the output of the line 02?

- A. "Null"
- B. "X"
- C. "Object"
- D. "undefined"

**Answer: C**

#### NEW QUESTION 7

Refer to the code below:

```
01 let sayHello = () => {
02   console.log('Hello, World!');
03 };
```

Which code executes sayHello once, two minutes from now?

- A. `setTimeout(sayHello, 12000);`
- B. `setInterval(sayHello, 12000);`
- C. `setTimeout(sayHello(), 12000);`
- D. `delay(sayHello, 12000);`

**Answer: A**

**NEW QUESTION 8**

A developer wrote the following code:

```
01 let X = object.value;
02
03 try {
04   handleObjectValue(X);
05 } catch (error) {
06   handleError(error);
07 }
```

The developer has a getNextValue function to execute after handleObjectValue(), but does not want to execute getNextValue() if an error occurs. How can the developer change the code to ensure this behavior?

- A. `03 try{04 handleObjectValue(x);05 } catch(error){06 handleError(error); 07 } then {08 getNextValue();09 }`
- B. `03 try{04 handleObjectValue(x);05 } catch(error){06 handleError(error); 07 } finally {08 getNextValue();10 }`
- C. `03 try{04handleObjectValue(x); 05 } catch(error){06 handleError(error);07 }8 getNextValue();`
- D. `03 try {04 handleObjectValue(x)05 .....}`

**Answer: D**

**NEW QUESTION 9**

Given the following code:

```
01 let x = null;
02 console.log(typeof x);
```

is the output of line 02?

- A. "x"
- B. "null"
- C. "object"
- D. "undefined"

**Answer: C**

**NEW QUESTION 10**

A test has a dependency on database.query. During the test, the dependency is replaced with an object called database with the method, Calculator query, that returns an array. The developer does not need to verify how many times the method has been called. Which two test approaches describe the requirement? Choose 2 answers

- A. White box
- B. Stubbing
- C. Black box
- D. Substitution

**Answer: AD**

**NEW QUESTION 10**

At Universal Containers, every team has its own way of copying JavaScript objects. The code Snippet shows an implementation from one team:

```
01 function Person() {
02   this.firstName = "John";
03   this.lastName = "Doe";
04   this.name = () => {
05     console.log('Hello ${this.firstName} ${this.lastName}');
06   }
07 }
08
09 const john = new Person();
10 const dan = JSON.parse(JSON.stringify(john));
11 dan.firstName = 'Dan';
12 dan.name();
```

What is the Output of the code execution?

- A. Hello Dan Doe
- B. Hello John DOe
- C. TypeError: dan.name is not a function
- D. TypeError: Assignment to constant variable.

**Answer: C**

**NEW QUESTION 13**

developer publishes a new version of a package with new features that do not break backward compatibility. The previous version number was 1.1.3. Following semantic versioning format, what should the new package version number be?

- A. 2.0.0
- B. 1.2.3

- C. 1.1.4
- D. 1.2.0

**Answer:** D

#### NEW QUESTION 14

Universal Containers (UC) notices that its application that allows users to search for accounts makes a network request each time a key is pressed. This results in too many requests for the server to handle.

Address this problem, UC decides to implement a debounce function on string change handler.

What are three key steps to implement this debounce function? Choose 3 answers:

- A. If there is an existing setTimeout and the search string change, allow the existing setTimeout to finish, and do not enqueue a new setTimeout.
- B. When the search string changes, enqueue the request within a setTimeout.
- C. Ensure that the network request has the property debounce set to true.
- D. If there is an existing setTimeout and the search string changes, cancel the existing setTimeout using the persisted timerId and replace it with a new setTimeout.
- E. Store the timerId of the setTimeout last enqueued by the search string change handle.

**Answer:** ABC

#### NEW QUESTION 16

Universal Containers recently launched its new landing page to host a crowd-funding campaign. The page uses an external library to display some third-party ads. Once the page is fully loaded, it creates more than 50 new HTML items placed randomly inside the DOM, like the one in the code below:

```
<!-- This is an ad -->
<div class="ad-library-item ad-hidden" onload="myFunction()"
  
</div>
```

All the elements includes the same ad-library-item class, They are hidden by default, and they are randomly displayed while the user navigates through the page.

- A. Use the DOM inspector to prevent the load event to be fired.
- B. Use the browser to execute a script that removes all the element containing the class ad-library-item.
- C. Use the DOM inspector to remove all the elements containing the class ad-library-item.
- D. Use the browser console to execute a script that prevents the load event to be fired.

**Answer:** B

#### NEW QUESTION 19

Refer to the code below: function changeValue(param) { Param =5;

```
}
Let a =10;
Let b =5; changeValue(b);
Const result = a+ " - "+ b;
```

What is the value of result when code executes?

- A. 10 -10
- B. 5 -5
- C. 5 - 10
- D. 10 - 5

**Answer:** A

#### NEW QUESTION 24

Refer to the code below:

```
Let foodMenu1 =[ 'pizza', 'burger', 'French fries']; Let finalMenu = foodMenu1; finalMenu.push('Garlic bread');
```

What is the value of foodMenu1 after the code executes?

- A. [ 'pizza', 'Burger', 'French fires', 'Garlic bread']
- B. [ 'pizza', 'Burger', 'French fires']
- C. [ 'Garlic bread', 'pizza', 'Burger', 'French fires' ]
- D. [ 'Garlic bread']

**Answer:** B

#### NEW QUESTION 25

Given the following code:

```
document.body.addEventListener(' click ', (event) => { if (/* CODE REPLACEMENT HERE */) {
console.log('button clicked!');
}
});
```

Which replacement for the conditional statement on line 02 allows a developer to correctly determine that a button on page is clicked?

- A. Event.clicked
- B. e.nodeTarget ==this
- C. event.target.nodeName == 'BUTTON'
- D. button.addEventListener('click')

**Answer:** C

**NEW QUESTION 28**

developer creates a new web server that uses Node.js. It imports a server library that uses events and callbacks for handling server functionality. The server library is imported with require and is made available to the code by a variable named server. The developer wants to log any issues that the server has while booting up. Given the code and the information the developer has, which code logs an error at boot with an event?

- A. `Server.catch ((server) => { console.log('ERROR', error);});`
- B. `Server.error ((server) => { console.log('ERROR', error);});`
- C. `Server.on ('error', (error) => { console.log('ERROR', error);});`
- D. `Try{server.start();} catch(error) { console.log('ERROR', error);}`

**Answer: C**

**NEW QUESTION 30**

developer removes the HTML class attribute from the checkout button, so now it is simply:

```
<button>Checkout</button>
```

There is a test to verify the existence of the checkout button, however it looks for a button with class= "blue". The test fails because no such button is found. Which type of test category describes this test?

- A. True positive
- B. True negative
- C. False positive
- D. False negative

**Answer: D**

**NEW QUESTION 33**

Refer to code below: `console.log(0);`

```
setTimeout(() => ( console.log(1);
```

```
});
```

```
console.log(2); setTimeout(() => { console.log(3);
```

```
), 0);
```

```
console.log(4);
```

In which sequence will the numbers be logged?

- A. 01234
- B. 02431
- C. 02413
- D. 13024

**Answer: C**

**NEW QUESTION 37**

A developer has a `formatName` function that takes two arguments, `firstName` and `lastName` and returns a string. They want to schedule the function to run once after five seconds.

What is the correct syntax to schedule this function?

- A. `setTimeout (formatName(), 5000, "John", "BDoe");`
- B. `setTimeout (formatName('John', 'Doe'), 5000);`
- C. `setTimout(() => { formatName("John", 'Doe') }, 5000);`
- D. `setTimeout ('formatName', 5000, 'John', "Doe");`

**Answer: D**

**NEW QUESTION 38**

Cloud Kicks has a class to represent items for sale in an online store, as shown below: `Class Item{`

```
constructor (name, price){ this.name = name; this.price = price;
```

```
}
```

```
formattedPrice(){
```

```
return 's' + String(this.price);}}
```

A new business requirement comes in that requests a `ClothingItem` class that should have all of the properties and methods of the `Item` class but will also have properties that are specific to clothes.

Which line of code properly declares the `ClothingItem` class such that it inherits from `Item`?

- A. `Class ClothingItem implements Item{`
- B. `Class ClothingItem {`
- C. `Class ClothingItem super Item {`
- D. `Class ClothingItem extends Item {`

**Answer: D**

**NEW QUESTION 39**

The developer wants to test the array shown: `const arr = Array(5).fill(0)`

Which two tests are the most accurate for this array? Choose 2 answers:

- A. `console.assert( arr.length === 5 );`
- B. `arr.forEach(elem => console.assert(elem === 0)) ;`
- C. `console.assert(arr[0] === 0 && arr[ arr.length ] === 0);`

D. console.assert (arr.length >0);

**Answer:** AB

#### NEW QUESTION 43

Refer to code below:

```
01 let first = 'Who';
02 let second = 'What';
03 try {
04   try {
05     throw new Error('Sad trombone');
06   } catch (err) {
07     first = 'Why';
08   } finally {
09     second = 'When';
10   }
11 } catch (err) {
12   second = 'Where';
13 }
```

What are the values for first and second once the code executes ?

- A. First is Who and second is When
- B. First is why and second is where
- C. First is who and second is where
- D. First is why and second is when

**Answer:** D

#### NEW QUESTION 45

A developer wants to setup a secure web server with Node.js. The developer creates a directory locally called app-server, and the first file is app-server/index.js. Without using any third-party libraries, what should the developer add to index.js to create the secure web server?

- A. const https =require('https');
- B. const server =require('secure-server');
- C. const tls = require('tls');
- D. const http =require('http');

**Answer:** A

#### NEW QUESTION 50

Which codestatement below correctly persists an objects in local Storage ?

- A. const setLocalStorage = (storageKey, jsObject) => { window.localStorage.setItem(storageKey, JSON.stringify(jsObject));}
- B. const setLocalStorage = ( jsObject) => { window.localStorage.connectObject(jsObject);}
- C. const setLocalStorage = ( jsObject) => { window.localStorage.setItem(jsObject);}
- D. const setLocalStorage = (storageKey, jsObject) => { window.localStorage.persist(storageKey, jsObject);}

**Answer:** A

#### NEW QUESTION 55

A developer implements and calls the following code when an application state change occurs: Const onStateChange =innerPageState) => { window.history.pushState(newPageState, '', null); }

If the back button is clicked after this method is executed, what can a developer expect?

- A. A navigate event is fired with a state property that details the previous application state.
- B. The page is navigated away from and the previous page in the browser's history is loaded.
- C. The page reloads and all Javascript is reinitialized.
- D. A popstate event is fired with a state property that details the application's last state.

**Answer:** B

#### NEW QUESTION 57

A test has a dependency on database.query. During the test the dependency is replaced with an object called database with the method, query, that returns an array. The developer needs to verify how many times the method was called and the arguments used each time.

Which two test approaches describe the requirement? Choose 2 answers

- A. Integration
- B. Black box
- C. White box
- D. Mocking

**Answer:** CD

**NEW QUESTION 62**

A developer creates a generic function to log custom messages in the console. To do this, the function below is implemented.

```
01 function logStatus(status) {
02   console.log('Item status is: %s', status);
03 }
```

Which three console logging methods allow the use of string substitution in line 02?

- A. Assert
- B. Log
- C. Message
- D. Info
- E. Error

**Answer:** AD

**NEW QUESTION 67**

Refer to the code below: `Function changeValue(obj) { Obj.value =obj.value/2; }`

`Const objA = (value: 10);`

`Const objB = objA; changeValue(objB); Const result = objA.value;`

What is the value of result after the code executes?

- A. 10
- B. Nan
- C. 5
- D. Undefined

**Answer:** C

**NEW QUESTION 71**

A developer creates a simple webpage with an input field. When a user enters text in the input field and clicks the button, the actual value of the field must be displayed in the console.

Here is the HTML file content:

```
<input type = " text" value="Hello" name ="input">
```

```
<button type ="button" >Display </button> The developer wrote the javascript code below:
```

```
Const button = document.querySelector('button'); button.addEventListener('click', () => (
```

```
Const input = document.querySelector('input'); console.log(input.getAttribute('value'));
```

When the user clicks the button, the output is always "Hello". What needs to be done make this code work as expected?

- A. Replace line 04 with `console.log(input .value);`
- B. Replace line 03 with `const input = document.getElementById('input');`
- C. Replace line 02 with `button.addEventListener("onclick", function() {`
- D. Replace line 02 with `button.addCallback("click", function() {`

**Answer:** A

**NEW QUESTION 74**

Refer to the following code:

```
01 function test(val) {
02   if (val === undefined) {
03     return 'Undefined value!';
04   }
05   if (val === null) {
06     return 'Null value!';
07   }
08   return val;
09 }
10
11 let x;
12
13 test(x);
```

What is returned by the function call on line 13?

- A. Undefined
- B. Line 13 throws an error.
- C. 'Undefined values!'
- D. 'Null value!'

**Answer:** A

**NEW QUESTION 78**

Which three options show valid methods for creating a fat arrowfunction? Choose 3 answers

- A. `x => ( console.log(' executed ' ) ; )`
- B. `[ ] => ( console.log(' executed ' ) ; )`
- C. `( ) => ( console.log(' executed ' ) ; )`
- D. `X,y,z => ( console.log(' executed ' ) ; )`
- E. `(x,y,z) => ( console.log(' executed ' ) ; )`

**Answer:** AE

#### NEW QUESTION 80

A developer is working on an ecommerce website where the delivery date is dynamically calculated based on the current day. The code line below is responsible for this calculation. `const deliveryDate = new Date ( );`

Due to changes in the business requirements, the delivery date must now be today's date + 9 days.

Which code meets this new requirement?

- A. `deliveryDate.setDate(( new Date ( ) ).getDate ( ) +9);`
- B. `deliveryDate.setDate( Date.current ( ) + 9);`
- C. `deliveryDate.date = new Date(+9) ;`
- D. `deliveryDate.date = Date.current ( ) + 9;`

**Answer:** A

#### NEW QUESTION 81

Refer to the following code that performs a basic mathematical operation on a provided input:

```
function calculate(num) { Return (num +10) / 3;
}
```

How should line 02 be written to ensure that `x` evaluates to 6 in the line below? Let `x = calculate (8);`

- A. `Return Number((num +10) /3 );`
- B. `Return (Number (num +10 ) / 3;`
- C. `Return Integer(num +10) /3;`
- D. `Return Number(num + 10) / 3;`

**Answer:** B

#### NEW QUESTION 85

A developer is debugging a web server that uses Node.js The server hits a runtime error every third request to an important endpoint on the web server.

The developer added a break point to the start script, that is at `index.js` at the root of the server's source code. The developer wants to make use of chrome DevTools to debug. Which command can be run to access DevTools and make sure the breakpoint is hit ?

- A. `node -i index.js`
- B. `Node --inspect-brk index.js`
- C. `Node inspect index.js`
- D. `Node --inspect index.js`

**Answer:** D

#### NEW QUESTION 86

Given the following code: `Counter = 0;`

```
const logCounter = () => { console.log(counter);
};
```

```
logCounter(); setTimeout(logCounter, 1100); setInterval(() => {
Counter++ logCounter();
}, 1000);
```

What is logged by the first four log statements?

- A. 0 0 1 2
- B. 0 1 2 3
- C. 0 1 1 2
- D. 0 1 2 2

**Answer:** C

#### NEW QUESTION 88

Which three statements are true about promises ? Choose 3 answers

- A. The executor of a new Promise runs automatically.
- B. A Promise has a `.then()` method.
- C. A fulfilled or rejected promise will not change states .
- D. A settled promise can become resolved.
- E. A pending promise can become fulfilled, settled, or rejected.

**Answer:** BCE

#### NEW QUESTION 91

Refer to the following code that imports a module named `utils`:

```
01 import {foo,bar} from '/path/Utils.js';
02 foo();
03 bar();
```

Which two implementations of Utils.js export foo and bar such that the code above runs without error?  
 Choose 2 answers

- A. 

```
//FooUtils.js and BarUtils.js exist
import {foo} from '/path/FooUtils.js';
import {bar} from '/path/BarUtils.js';
export {foo, bar}
```
- B. 

```
const foo = () => { return 'foo'; }
const bar = () => { return 'bar'; }
export {foo, bar}
```
- C. 

```
export default class {
  foo() { return 'foo'; }
  bar() { return 'bar'; }
}
```
- D. 

```
const foo = () => { return 'foo'; }
const bar = () => { return 'bar'; }
export default foo, bar;
```

Answer: BC

#### NEW QUESTION 94

A developer is leading the creation of a new browser application that will serve a single page application. The team wants to use a new web framework Minimalist.js. The Lead developer wants to advocate for a more seasoned web framework that already has a community around it. Which two frameworks should the lead developer advocate for? Choose 2 answers

- A. Vue
- B. Angular
- C. Koa
- D. Express

Answer: BD

#### NEW QUESTION 96

developer wants to use a module named universalContainersLib and then call functions from it. How should a developer import every function from the module and then call the functions foo and bar ?

- A. 

```
import * as lib from '/path/universalContainersLib.js'; lib.foo();lib.bar();
```
- B. 

```
import {foo, bar} from '/path/universalContainersLib.js'; foo();bar();
```
- C. 

```
import all from '/path/universalContainerLib.js'; universalContainersLib.foo(); universalContainersLib.bar();
```
- D. 

```
import * from '/path/universalContainerLib.js'; universalContainersLib.foo(); universalContainersLib.bar();
```

Answer: A

#### NEW QUESTION 97

A developer wants to define a function log to be used a few times on a single-file JavaScript script.

```
01 // Line 1 replacement
02 console.log("LOG:", logInput);
03 }
```

Which two options can correctly replace line 01 and declare the function for use? Choose 2 answers

- A. 

```
function log(logInput) {
```
- B. 

```
const log(logInput) {
```
- C. 

```
const log = (logInput) => {
```
- D. 

```
function log = (logInput) {
```

Answer: AC

#### NEW QUESTION 102

A developer has a web server running with Node.js. The command to start the web server is node server.js.

The web server started having

latency issues. Instead of a one second turnaround for web requests, the developer now sees a five second turnaround.

Which command can the web developer run to see what the module is doing during the latency period?

- A. 

```
NODE_DEBUG=true node server.js
```
- B. 

```
DEBUG=http, https node server.js
```

- C. NODE\_DEBUG=http,https node server.js
- D. DEBUG=true node server.js

**Answer:** D

**NEW QUESTION 103**

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