



## Salesforce

### Exam Questions JavaScript-Developer-I

Salesforce Certified JavaScript Developer I

### NEW QUESTION 1

Refer to the following code:

Let sampleText = 'The quick brown foxjumps';

A developer needs to determine if a certain substring is part of a string. Which three expressions return true for the given substring ?

Choose 3 answers

- A. sampleText.includes('fox');
- B. sampleText.includes(' quick ', 4);
- C. sampleText.includes('Fox ', 3)
- D. sampleText.includes(' fox ');
- E. sampleText.includes(' quick ') !== -1;

**Answer:** BDE

### NEW QUESTION 2

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 3

A developer has the following array of student test grades: Let arr = [ 7, 8, 5, 8, 9 ];

The Teacher wants to double each score and then see an array of the students who scored more than 15 points.

How should the developer implement the request?

- A. Let arr1 = arr.filter(( val ) => ( return val > 15 )) .map (( num) => ( return num \*2 ))
- B. Let arr1 = arr.mapBy (( num) => ( return num \*2 )) .filterBy (( val ) => return val > 15 );
- C. Let arr1 = arr.map((num) => num\*2). Filter (( val ) => val > 15);
- D. Let arr1 = arr.map((num) => ( num \*2)).filterBy((val) => ( val >15 ));

**Answer:** C

### NEW QUESTION 4

A developer creates an object where its properties should be immutable and prevent properties from being added or modified.

Which method should be used to execute this business requirement ?

- A. Object.const()
- B. Object.eval()
- C. Object.lock()
- D. Object.freeze()

**Answer:** D

### NEW QUESTION 5

Refer to the code below:

Let car1 = new Promise((\_, reject) => setTimeout(reject, 2000, "car 1 crashed in" =>

Let car2 =new Promise(resolve => setTimeout(resolve, 1500, "car 2 completed") Let car3 =new Promise(resolve => setTimeout(resolve, 3000, "car 3 completed")

Promise.race(( car1, car2, car3))

.then (value => (

Let result = `\${value} the race.`;})

.catch(arr => {

console.log("Race is cancelled.", err);

});

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

- A. Car 3 completes the race

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

**Answer: B**

**NEW QUESTION 6**

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 7**

A developer needs to test this function:

```
01 const sum3 = (arr) => (
02   if (!arr.length) return 0,
03   if (arr.length === 1) return arr[0],
04   if (arr.length === 2) return arr[0] + arr[1],
05   return arr[0] + arr[1] + arr[2],
06 );
```

Which two assert statements are valid tests for the function? Choose 2 answers

- A. `console.assert(sum3(1, '2')) == 12;`
- B. `console.assert(sum3(0)) == 0;`
- C. `console.assert(sum3(-3, 2)) == -1;`
- D. `console.assert(sum3('hello', 2, 3, 4)) === NaN;`

**Answer: AC**

**NEW QUESTION 8**

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 9**

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);7 }8 getNextValue();`
- D. `03 try {04 handleObjectValue(x)05 .....`

**Answer: D**

**NEW QUESTION 10**

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**

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 13**

Universal Container(UC) just launched a new landing page, but users complain that the website is slow. A developer found some functions that cause this problem. To verify this, the developer decides to do everything and log the time each of these three suspicious functions consumes.

`console.time('Performance');` `maybeAHeavyFunction();` `thisCouldTakeTooLong();` `orMaybeThisOne();` `console.endTime('Performance');`  
 Which function can the developer use to obtain the time spent by every one of the three functions?

- A. `console.timeLog()`
- B. `console.getTime()`
- C. `console.trace()`
- D. `console.timeStamp()`

**Answer: A**

**NEW QUESTION 17**

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 19**

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 24**

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 25**

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 26

Refer to the following code:

```
<html lang="en">
<body>
<div onclick = "console.log('Outer message') ;">
<button id ="myButton">Click me</button>
</div>
</body>
<script>
function displayMessage(ev) { ev.stopPropagation(); console.log('Inner message.')}
}
const elem =document.getElementById('myButton'); elem.addEventListener('click' , displayMessage);
</script>
</html>
```

What will the console show when the button is clicked?

- A. Outer message
- B. Outer message Inner message
- C. Inner message Outer message
- D. Inner message

**Answer: D**

### NEW QUESTION 28

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 andsecond is when

**Answer: D**

### NEW QUESTION 33

Refer to the expression below: Let x = ('1' + 2) == (6 \* 2);

How should this expression be modified to ensure that evaluates to false?

- A. Let x = ('1' + '2') == (6 \* 2);
- B. Let x = ('1' + 2) == (6 \* 2);
- C. Let x = (1 + 2) == ('6' / 2);
- D. Let x = (1 + 2) == (6 / 2);

**Answer: B**

### NEW QUESTION 37

Refer to the code below:

```
01 const server = require('server');
02 /* Insert code here */
```

A developer imports a library that creates a web server.The imported library uses events and callbacks to start the servers

Which code should be inserted at the line 03 to set up an event and start the web server ?

- A. Server.start ();
- B. server.on(' connect ' , ( port ) => { console.log('Listening on ' , port);})
- C. server()
- D. serve(( port ) => (
- E. console.log( 'Listening on ' , port) ;

**Answer: B**

### NEW QUESTION 38

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 42

Refer to the code below:

```
01 function foo() {
02     const a = 2;
03     function bar() {
04         console.log(a);
05     }
06     return bar;
07 }
```

Why does the function bar have access to variable a ?

- A. Inner function's scope
- B. Hoisting
- C. Outer function's scope
- D. Prototype chain

**Answer: C**

#### NEW QUESTION 43

Refer to the code below:

Let `inArray = [ [ 1, 2 ], [ 3, 4, 5 ] ]`;

Which two statements result in the array `[1, 2, 3, 4, 5]` ?

Choose 2 answers

- A. `[]. Concat.apply ([ ], inArray);`
- B. `[]. Concat (... inArray);`
- C. `[]. concat.apply(inArray, [ ]);`
- D. `[]. concat ( [ ...inArray ] );`

**Answer: AB**

#### NEW QUESTION 46

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./*Answer goes here*/('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 49

Refer to the code below:

```
new Promise((resolve, reject) => { const fraction = Math.random();
if( fraction >0.5) reject("fraction > 0.5, " + fraction); resolve(fraction);
})
.then(() =>console.log("resolved"))
.catch((error) => console.error(error))
.finally(() => console.log(" when am I called?"));
```

```

new Promise((resolve, reject) => {
  const fraction = Math.random();
  if( fraction >0.5) reject("fraction > 0.5, " + fraction);
  reject(fraction);
})
.then(() =>console.log("resolved"))
.catch((error) => console.error(error))
.finally(() => console.log(" when am I called?"));

```

0.024493713600408196 VM1560:7  
 when am I called? VM1560:8  
 Promise {<fulfilled>: undefined}

```

new Promise((resolve, reject) => {
  const fraction = Math.random();
  if( fraction >0.5) reject("fraction > 0.5, " + fraction);
  resolve(fraction);
})
.then(() =>console.log("resolved"))
.catch((error) => console.error(error))
.finally(() => console.log(" when am I called?"));

```

resolved VM1349:6  
 when am I called? VM1349:8  
 Promise {<fulfilled>: undefined}

When does Promise.finally on line 08 get called?

- A. When rejected
- B. When resolved and settled
- C. When resolved
- D. When resolved or rejected

**Answer: D**

#### NEW QUESTION 52

Refer to the following code: 01 function Tiger(){  
 02 this.Type = 'Cat'; 03 this.size = 'large'; 04 }  
 05  
 06 let tony = new Tiger(); 07 tony.roar = () =>{  
 8 console.log('They're great1');  
 9 };  
 10  
 11 function Lion(){ 12 this.type = 'Cat'; 13this.size = 'large'; 14 }  
 15  
 16 let leo = new Lion(); 17 //Insert code here  
 18 leo.roar();

Which two statements could be inserted at line 17 to enable the function call on line 18? Choose 2 answers.

- A. Leo.roar = () => { console.log('They're pretty good:'); };
- B. Object.assign(leo,Tiger);
- C. Object.assign(leo,tony);
- D. Leo.prototype.roar = () => { console.log('They're pretty good:'); };

**Answer: AC**

#### NEW QUESTION 54

A developer wants to create an object from a function in the browser using the code below:

```

Function Monster() { this.name ='hello' }; Const z = Monster();

```

What happens due to lack of the new keyword on line 02?

- A. The z variable is assigned the correct object.
- B. The z variable is assigned the correct object but this.name remains undefined.
- C. Window.name is assigned to 'hello' and the variable z remains undefined.
- D. Window.m is assigned the correct object.

**Answer: C**

#### NEW QUESTION 58

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 63

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 66

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 71

Which two console logs output NaN? Choose 2 answers | |

- A. `console.log(10 / Number('5') ) ;`
- B. `console.log(parseInt ( "two" ) ) ;`
- C. `console.log(10 / 0);`
- D. `console.loeg(10 / 'five');`

**Answer: BD**

#### NEW QUESTION 76

Refer to the code below:

```

const resolveAfterMilliseconds = (ms) => Promise.resolve ( setTimeout ( ( => console.log(ms), ms ) );
const aPromise = await resolveAfterMilliseconds(500);
const bPromise = await resolveAfterMilliseconds(500);
await aPromise, wait bPromise;

```

What is the result of running line 05?

- A. aPromise and bPromise run sequentially.
- B. Neither aPromise or bPromise runs.
- C. aPromise and bPromise run in parallel.
- D. Only aPromise runs.

**Answer: B**

#### NEW QUESTION 77

Which statement parses successfully?

- A. `JSO`
- B. `parse ("foo");`

- C. JSON.parse ("foo");
- D. JSON.parse ("foo");
- E. JSON.parse ("foo");

**Answer:** A

#### NEW QUESTION 80

Refer to the code below: let timeFunction = () => { console.log("Timer called."); };

let timerId = setTimeout (timedFunction, 1000);

Which statement allows a developer to cancel the scheduled timed function?

- A. clearTimeout(timedFunction);
- B. clearTimeout(timerId);
- C. clearTimeout(timerId);
- D. clearTimeout(timedFunction);

**Answer:** C

#### NEW QUESTION 83

Which statement accurately describes the behaviour of the async/ await keywords ?

- A. The associated class contains some asynchronous functions.
- B. The associated function will always return a promise
- C. The associated function can only be called via asynchronous methods
- D. The associated sometimes returns a promise.

**Answer:** B

#### NEW QUESTION 88

Refer to the code below:

```
01 function changeValue(param) {
02   param = 5;
03 }
04 let a = 10;
05 let b = a;
06
07 changeValue(b);
08 const result = a + ' - ' + b;
```

What is the value of result when the code executes?

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

**Answer:** A

#### NEW QUESTION 91

A developer has the function, shown below, that is called when a page loads.

```
function onLoad() {
  console.log("Page has loaded!");
}
```

Where can the developer see the log statement after loading the page in the browser?

- A. Terminal running the web server.
- B. Browser performance tools
- C. Browser JavaScript console
- D. On the webpage.

**Answer:** C

#### NEW QUESTION 96

Teams at Universal Containers(UC) work on multiple JavaScript projects at the same time. UC is thinking about reusability and how each team can benefit from the work of others. Going open-source or public is not an option at this time.

Which option is available to UC with npm?

- A. Private packages can be scoped, and scopes can be associated to a private registries.
- B. Private registries are not supported by npm, but packages can be installed via URL.
- C. Private packages are not supported, but they can use another package manager like yarn.
- D. Private registries are not supported by npm, but packages can be installed via git.

**Answer:** A

**NEW QUESTION 100**

Consider type coercion, what does the following expression evaluate to? True + 3 + '100' + null

- A. 104
- B. 4100
- C. '3100null'
- D. '4100null'

**Answer:** D

**NEW QUESTION 103**

Refer to the following array: Let arr = [ 1,2, 3, 4, 5];  
 Which three options result in x evaluating as [3, 4, 5] ? Choose 3 answers.

- A. Let x= arr.filter (( a) => (a<2));
- B. Let x=arr.splice(2,3);
- C. Let x= arr.slice(2);
- D. Let x= arr.filter((a) => ( return a>2 ));
- E. Let x = arr.slice(2,3);

**Answer:** BCD

**NEW QUESTION 108**

A developer has code that calculates a restaurant bill, but generates incorrect answers while testing the code:

```
function calculateBill ( items ) { let total = 0;
total += findSubTotal(items); total += addTax(total);
total += addTip(total); return total;
}
```

Which option allows the developer to step into each function execution within calculateBill?

- A. Using the debugger command on line 05.
- B. Using the debugger command on line 03
- C. Calling the console.trace (total) method on line 03.
- D. Wrapping findSubtotal in a console.log() method.

**Answer:** A

**NEW QUESTION 110**

A developer has two ways to write a function: Option A:

```
function Monster() { This.growl = () => { Console.log ("Grr!");
}
}
```

Option B:

```
function Monster() {}; Monster.prototype.growl =() => { console.log("Grr!");
}
```

After deciding on an option, the developer creates 1000 monster objects. How many growl methods are created with Option A Option B?

- A. 1 growl method is created for Option
- B. 1000 growl methods are created for Option B.
- C. 1000 growl method is created for Option
- D. 1 growl methods are created for Option B.
- E. 1000 growl methods are created regardless of which option is used.
- F. 1 growl method is created regardless of which option is used.

**Answer:** B

**NEW QUESTION 112**

```
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 113**

Refer to the code snippet below: Let array = [1, 2, 3, 4, 4, 5, 4, 4];  
 For (let i =0; i < array.length; i++) if (array[i] === 4) {

```
array.splice(i, 1);
```

```
}  
}
```

```
let array = [1, 2, 3, 4, 4, 5, 4, 4];  
for (let i = 0; i < array.length; i++){  
  if (array[i] === 4) {  
    array.splice(i, 1);  
  }  
}
```

```
console.log(array)
```

```
▶ (6) [1, 2, 3, 4, 5, 4]
```

VM1963:7

```
undefined
```

What is the value of array after the code executes?

- A. [1, 2, 3, 4, 5, 4, 4]
- B. [1, 2, 3, 4, 4, 5, 4]
- C. [1, 2, 3, 5]
- D. [1, 2, 3, 4, 5, 4]

**Answer: B**

#### NEW QUESTION 116

In the browser, the window object is often used to assign variables that require the broadest scope in an application Node.js application does not have access to the window object by default.

Which two methods are used to address this ? Choose 2 answers

- A. Use the document object instead of the window object.
- B. Assign variables to the global object.
- C. Create a new window object in the root file.
- D. Assign variables to module.exports and require them as needed.

**Answer: B**

#### NEW QUESTION 119

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 122

Which option is true about the strict mode in imported modules?

- A. Add the statement use non-strict, before any other statements in the module to enable not-strict mode.
- B. You can only reference notStrict() functions from the imported module.
- C. Imported modules are in strict mode whether you declare them as such or not.
- D. Add the statement use strict =false; before any other statements in the module to enable not- strict mode.

**Answer: B**

#### NEW QUESTION 124

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 125

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