

### Question # 1

Revisit

Given the following Javascript code:

```
let promise = new Promise(function(resolve, reject) {
  setTimeout(() => resolve("done!"), 3000);
});
// resolve runs the first function in .then
promise.then(
  result => console.log(result),
  error => console.log("Error!")
);
```

What is the output?

Choose the best option

- ☐ done! Error!
- ☒ done!
- ☐ Error!
- ☐ Incorrect code, there is no catch() block

### Question # 2

Revisit

Which of the following Javascript method returns true if its argument is not a number?

Choose the best option

- ☐ isNaN()
- ☒ NaN()
- ☐ isNumber()
- ☐ isFinite()

### Question # 3

Revisit

```
var express = require('express');
var app = express();
app.get('/:name', (req, res) => res.send("Welcome to "+ req.params.name));
app.listen(3500);
```

If the above code is run on Node, which of the following is a valid URL for user to get response as 'Welcome to CDAC'?

Choose the best option

- ☐ http://localhost/CDAC
- ☒ http://localhost:3500/CDAC
- ☐ http://localhost?name=CDAC
- ☐ http://localhost:3500?name=CDAC

### Question # 4

Which of the following statement is wrong?

Choose the best option

- ☒ Props provides a way to pass data through the component tree without having to pass context down manually at every level.
- ☐ Context provides a way to pass data through the component tree without having to pass props down manually at every level.
- ☐ In React, the data is passed top-down(parent to child) via props.
- ☐ Context is designed to share data that can be considered "global" for a tree of React components.

### Question # 5

Revisit

Consider a HTML page with multiple paragraphs. What is the correct way in jQuery to iterate through all the paragraphs and display their contents? Choose the correct option from below.

#### Choose the best option

- ☐ \$("p").forEach(function(){ console.log(\$(this).text()); });
- ☐ \$("p").iterate(function(){ console.log(\$(this).text()); });
- ☒ \$("p").each(function(){ console.log(\$(this).text()); });
- ☐ \$("p").loop(function(){ console.log(\$(this).text()); });

### Question # 6

Revisit

Which of the following allows an attacker to induce a victim user to perform actions that they do not intend to?



#### Choose the best option

- ☐ Cross-Site Scripting (XSS)
- ☒ Cross-site request forgery (CSRF)
- ☐ SQL Injection
- ☐ Insecure deserialization

### Question # 7

Revisit

Which is the correct way to read the contents of a file asynchronously and display the contents in console in Node, using fs module?

```
var path = "./products.json";
fs.readFile(path, (err, data) => {
  if (data) {
    var products = JSON.parse(data);

    let req_call = new Promise((resolve, reject) => {
      let temp = persist.getAllProducts();
    });
    Product.find().exec(function(err, data) {
      if (data) {
        res.send(data);
      }
    })
  }
  else
    res.send("data is not available");
});
```

#### Choose the best option

- ☐ fs.readFile('test.txt', function (data) { console.log(data.toString()); });
- ☐ var data = fs.readFileSync('test.txt') Console.log(data.toString())
- ☐ var data = fs.readFile('test.txt') Console.log(data.toString())
- ☒ fs.readFile('test.txt', function (err, data) { if (err) return console.error(err); console.log(data.toString()); });

### Question # 8

Which is the correct way to create a hyperlink in HTML?

#### Choose the best option

- ☐ <a>http://www.someserver.com</a>
- ☐ <a name="http://www.someserver.com"> SomeServer.com</a>
- ☐ <a url="http://www.someserver.com"> SomeServer.com</a>
- ☒ <a href="http://www.someserver.com"> SomeServer.com</a>

### Question # 9

Identify the correct statement from the following:

Choose the best option

- ☐ Both var and let are used to create function scoped variable.
- ☐ Both var and let are used to create block scoped variable.
- ☒ Using let we can create block scoped variable.
- ☐ The variable created using var keyword is not global scoped.

### Question # 10

Given this HTML code:

```
<body>
<p>para-1</p>
<div>
<p>para-2</p>
<p>para-3</p>
</div>
<h2>Header-2</h2>
<p>para-4</p>
</body>
```

What is the correct Javascript code to change font color of all paragraphs in the document to blue?

 Revisit

Choose the best option

- ☒

```
<script>
document.getElementsByTagName("p").style.color="blue"
</script>
```
- ☐

```
<script>
let list = document.getElementById("p");
for(i=0;i<list.length;i++)
list[i].style.color="blue"
</script>
```
- ☐

```
<script>
let list = document.getElementsByTagName("p");
for(i=0;i<list.length;i++)
list[i].style.color="blue"
</script>
```
- ☐

```
<script>
let list = document.getElementsByName("p");
for(i=0;i<list.length;i++)
```

### Question # 11

Which of the following is a valid jQuery syntax to show current element?


 Revisit

Choose the best option

- ☐ `$(current).show()`
- ☒ `$(this).show()`
- ☐ `$(current).enable()`
- ☐ `$(this).enable()`

### Question # 12


Consider a HTML page with a number of header tags. Which is the correct JQuery code to apply a background color of blue to all h3 elements?

 Revisit

Choose the best option

- ☐ `$("#h3").style("background-color","blue");`
- ☐ `$("#h3").addClass("background-color","blue");`
- ☒ `$("#h3").css("background-color","blue");`
- ☐ `$("#h3").layout("background-color","blue");`



**Question # 13** Revisit

Which of the following is a valid HTML syntax for creating multi line text input control?

**Choose the best option**

- ☐ <input type="text">
- ☐ <textarea>
- ☒ <input type="textarea">
- ☐ <textbox>

**Question # 14** Revisit

- const [x, y, , z] = [1, 2, 3, 4];
- z

What will be the output of above code in Node.js REPL terminal?

**Choose the best option**

- ☐ 3
- ☒ 4
- ☐ 1
- ☐ undefined

**Question # 15** Revisit

What will be the return value for `typeof(null)` in javascript?

**Choose the best option**

- ☐ NaN
- ☒ object
- ☐ null
- ☐ string

**Question # 16** Revisit

Which of the below is not a valid datatype in Javascript?

**Choose the best option**

- ☐ Undefined
- ☒ Float
- ☐ Boolean
- ☐ Number

**Question # 17** Revisit

Identify the correct command to run a REPL session in Node.


**Choose the best option**

- ☐ node init
- ☒ node
- ☐ node start
- ☐ node repl

Node.js comes with virtual environment called REPL (aka Node shell). REPL stands for Read-Eval-Print-Loop. It is a quick and easy way to test simple Node.js/JavaScript code.

<https://www.tutorialsteacher.com/nodejs/nodejs-console-repl>

Question # 18


 Revisit

What value of XMLHttpRequest.readyState in Ajax is checked for response readiness?

Choose the best option

- ☒ 4
- ☐ 3
- ☐ 2
- ☐ 1

Question # 19


 Revisit

How can you make properties and methods available outside the module file in Node.js?

Choose the best option

- ☐ module.export
- ☒ module.exports
- ☐ module.ng.exports
- ☐ module.expose

Question # 20

 Revisit

Which of the following file in Node.js application contains information about project dependencies?

Choose the best option

- ☐ pom.xml
- ☐ pom.json
- ☐ package.xml
- ☒ package.json

Question # 21


 Revisit

Which of the following function is used as a shortcut for jQuery?

Choose the best option

- ☐ &
- ☒ \$
- ☐ @
- ☐ #

Question # 22

 Revisit

In jQuery, \$.hide() is equivalent to:

Choose the best option

- ☐ document.hide()
- ☒ jQuery.hide()
- ☐ javascript.hide()
- ☐ jq.hide()

Question # 23

Revisit

Which is the default port on which the development server for React runs on?

Choose the best option

- ☐ 3050
- ☐ 8080
- ☒ 3000
- ☐ 8000

Question # 24

Revisit

Given following HTML code:

```
<input type="text" id="zip">
```

Which is the most correct JavascriptRegular expression pattern to check for exactly a 6-digit zip code in the textfield (no other text allowed in textfield)?

Choose the best option

- ☐ /d\d\d\d\d\d/
- ☐ /[0-9]+/
- ☐ /[0-9]\*/
- ☒ /^\d{6}\$/

Question # 25

Revisit

In React, what is a common use case for "ref" in an uncontrolled component?

Choose the best option

- ☐ To bind the function
- ☐ To refer to a function
- ☐ To refer to an external JavaScript file
- ☒ To directly access the underlying DOM

Question # 26

Revisit

Which of the following is default scope in Node.js application?

Choose the best option

- ☒ Local
- ☐ Global
- ☐ Remote
- ☐ Public



Question # 27

Which is the correct way to declare an internal/embedded style sheet?

Revisit

Choose the best option

- ☐ <link>  
p {color:red; text-align:center; }  
</link>
- ☒ <style>  
p {color:red; text-align:center; }  
</style>
- ☐ <css>  
p {color:red; text-align:center; }  
</css>
- ☐ <class>  
p {color:red; text-align:center; }  
</class>

Question # 28

Which of the below HTTP status code indicates redirection?

Revisit

Choose the best option

- ☐ 202
- ☐ 307
- ☐ 226
- ☐ 501

302



Question # 29

What is the correct JavaScript code to change the content of the following HTML <div>?  
<div id="div1">This is original content</div>

Revisit

Choose the best option

- ☐ document.getElement("div1").innerHTML = "Changed content";
- ☒ document.getElementById("div1").innerHTML = "Changed content";
- ☐ document.getElementByTagName("div").innerHTML = "Changed content";
- ☐ document.getElementById("div1").value = "Changed content";

Question # 30

Identify the wrong statement from the following:

Revisit

Choose the best option

- ☐ A promise has three possible states
- ☐ A promise is used to handle the asynchronous result of an operation
- ☒ A promise has four possible outcomes
- ☐ With promises, we can defer the execution of a code block until an async request is completed.

Question # 31

Which of the following java script function is used to register a function to be invoked after the specified number of milliseconds?

Revisit

Choose the best option

- ☐ setInterval()
- ☒ setTimeout()
- ☐ setMilliseconds()
- ☐ setTime()

Question # 32

Revisit

In Nodejs, consider a module called myapp.js that exports a json object:  
//myapp.js  
var obj = { "name": "amit", "age": 23 };  
//code to export this obj  
Create another file – TestMyApp.js. Which of the following is the correct code to write in TestMyApp.js. file that will import the myapp.js and display the name and age?

Choose the best option

- ☐ const app = require('./myapp');  
console.log(app.name, app.age);
- ☒ import app from './myapp';  
console.log(app.name, app.age);
- ☐ const app = import('./myapp');  
console.log(app.name, app.age);
- ☐ const app = include('./myapp');  
console.log(app.name, app.age);

Question # 33

Revisit

```
<script>  
x = 10;  
function myFunction() {  
  console.log(x);  
}  
var x = 20;  
myFunction();  
</script>
```

What will be the console output of above java script code snippet?

Choose the best option

- ☐ 10
- ☒ 20
- ☐ undefined
- ☐ Error

Question # 34

What is a "React" component? (Choose the most appropriate option)

Choose the best option

- ☒ It's a javascript function which typically returns HTML (JSX) code that should be displayed
- ☐ It's a replacement for standard HTML which is supported by modern browsers
- ☐ It's a Javascript function that must not return anything
- ☐ A React component takes a mandatory input and returns normal HTML

Question # 35

Which of the following statements is true for React Js?

Choose the best option

- ☐ State can be managed with class components only
- ☐ State can be managed with functional components only
- ☒ State can be managed with both class & functional components
- ☐ State can't be managed with class or functional components, redux is required.



Question # 36

Revisit

Which is the correct way to create a textarea in a HTML form?

Choose the best option

- ☐ `<textarea name="address">`  
Please write your address  
`</textarea>`
- ☐ `<input type="textarea" name="address" rows=5 cols=10>`  
Please write your address  
`</input>`
- ☐ `<input type="text" multiple="true" name="address">`  
Please write your address  
`</input>`
- ☒ `<textarea name="address" rows=5 cols=10>`  
Please write your address  
`</textarea>`

Question # 37

Revisit

What is the Javascript code to display "Hello World" in a popup box with a single "ok" button to dispose the popup?

Choose the best option

- ☐ `confirm("Hello World")`
- ☐ `alertBox("Hello World")`
- ☐ `prompt("Hello World")`
- ☒ `alert("Hello World")`

Question # 38

Revisit

Which is the name of the function that is used to change the state of a class-based React component?

Choose the best option

- ☒ `this.setState()`
- ☐ `this.changeState()`
- ☐ `this.setXXX()`, where XXX can be any function name
- ☐ `this.state = (new value)`

Question # 39

Revisit

Which of the following is a software application used for accessing the information on the World Wide Web?

Choose the best option

- ☐ Web Server
- ☐ Application Server
- ☒ Web Browser
- ☐ Domain Name Server

**Question # 40**

When you modify the state of a React component, the component \_\_\_\_\_.

**Choose the best option**

- ☐ does nothing, you have to call the render method to rerender the component
- ☒ automatically re-renders
- ☐ is recreated from scratch
- ☐ state is read-only, you cannot modify state.