

1. What will be the output of the following JavaScript code?

```
<p id="demo"></p>
<script>
function demoFunction()
{
    var str = "Is this it?";
    var patt1 = "is";
    var result = str.match(patt1);
    document.getElementById("demo").innerHTML = result;
}
demoFunction();
</script>
```

Answers

1. IS
2. is
3. Error
4. Undefined

Ans - 2)

3. How many Node object methods are available?

Answers

1. 18
2. 19
3. 20
4. 21

Ans – 1)

4. What is .subscribe?

Answers

1. Streams data in asynchronously
2. Streams data in synchronously
3. Both of the Above
4. None of above

Ans – 3)

5. Which of the following class is used to create and consume custom events in Node.js?

Answers

1. EventEmitter

2. Events
3. NodeEvent
4. None of the above

Ans – 1)

6. What should you do in your code to improve your application's performance?
- 1 - Use gzip compression
 - 2 - Don't use synchronous functions
 - 3 - Do logging correctly
 - 4 - Handle exceptions properly

Answers

1. 1 and 2
2. 1,2 and 3
3. only 1
4. All 1,2,3,4

Ans – 4)

7. Route paths, in combination with a request method, define the endpoints at which requests can be made.
Which of following are valid form of route path?

Answers

1. strings
2. string patterns
3. regular expressions
4. All of above

Ans – 4)

8. How many listeners can be attached to an event in NodeJS?

Answers

1. 10
2. 50
3. Unlimited
4. None of above

Ans – 3)

9. In Nodejs what is use of underscore variable in REPL session

Answers

1. to Store the result
2. to get the last command used
3. to get the last result
4. None of the above

Ans – 3)

10. Command to list all modules that are install globally?

Answers

1. `$ npm ls`
2. `$ npm ls -g`
3. `$ node ls`
4. `$ node ls -g`

Ans – 2)

12. Which of the following are Node.js streams types?

Answers

1. Readable
2. Writable
3. Duplex
4. All of above

Ans - 4)

13. How can we create instance of http module?

Answers

1. `var http = require("http")`
2. `var http = new require("http")`
3. `var http = new http()`
4. None of the above

Ans – 1)

14. Imagine that you sent following ajax request:

```
$.post("/process", {name:'john'}, function(data){  
    // Do some stuff  
});
```

What will be the answer from the server?

Tip: On server side, we have the code which is given below

Code:

```
app.post('/process', function(req, res){
    var data = '';

    if(req.xhr){
        data += 'One';
    }

    if(req.body.name){
        data += 'Two';
    }

    res.send(data);
});
```

Answers

1. 'One'
2. 'OneTwo'
3. 'Two'
4. All of these

Ans – 2)

15. The rest parameters in a function is used when _____.

Answers

1. The types of parameters is not known
2. The function needs to be executed asynchronously
3. The number of parameters is not known
4. The function is called recursively

Ans – 3)

16. Which layer deals with Packets

Answers

1. Physical Layer
2. Transport Layer
3. Application Layer
4. Network Layer

Ans – 4)

17. The tag used to create a new list item and also include a hyperlink is

Answers

1.

2. <DL>
3. <DD>
4.

Ans – 1)

19. Which of the following element may contain not just links but also other interactive items, including the newly introduced command element.

Answers

1. meter
2. progress
3. details
4. menu

Ans – 4)

20. What does this code do?

Code:

```
@media only screen and (max-width: 500px) {  
body {background-color: lightblue;}  
}
```

Answers

1. If the browser window is smaller than 500px, the background color will change to lightblue:
2. If the browser window is larger than 500px, the background color will change to lightblue:
3. The background color will change to lightblue
4. Nothing happens

Ans – 1)

21. Which CSS property can be used to set the image as border instead of the border style?

Answers

1. Background-image
2. Border-image
3. Background-image-source
4. border-image-source

Ans – 4)

23. Is whitespace matter in JSON?

Answers

1. It will be stripped out.
2. Both inside and outside of strings
3. only within strings
4. only outside of strings

Ans – 3)

25. In which of the following exploits does an attacker insert malicious code into a link that appears to be from a trustworthy source?

Answers

1. Cross-Site Scripting
2. Buffer over flows
3. Command injection
4. Path traversal attack

Ans – 1)

26. Which statement is true with respect to HTML5 security?

Answers

1. In HTML5, AJAX calls can read from other domains without restrictions.
2. Thanks to the new possibilities of HTML5, an attacker can steal data from an iframe through ClickJacking.
3. If a page does not use the new features introduced by HTML5, it is a good way to protect against the new security risks introduced by those features.
4. HTML5 makes it easier to protect against XSS.

Ans – 2)

28. Which of the following display property value is described by used internally by browsers to create list items. Of no practical value to web designers?

Answers

1. Inline-block
2. List-item
3. group
4. none of these

Ans – 2)

29. Which is not a tool to build responsive websites?

Answers

1. skeleton
2. bookmarklets
3. code editors
4. web browsers

Ans – 1)

30. What is a CMS in web design

Answers

1. Content Management System
2. Creative Management System
3. Content Mixing System
4. Creatives Managerial System

Ans – 1)

32. Look at the following jQuery selector: `$(“div#intro .head”)`. What does it select?

Answers

1. The first element with id=“head” inside any div element with class=“intro”
2. All elements with class=“head” inside the first div element with id=“intro”
3. All div elements with id=“intro” or class=“head”
4. None

Ans – 3)

33. Which function is used to include modules in NodeJS

Answers

1. include()
2. require()
3. attach()
4. none of above

Ans – 2)

35. in which directory React components are saved ?

Answers

1. Inside external/components/
2. Inside vendor/components/

3. Inside vendor/
4. Inside js/components/

Ans – 4)

37. What is Babel

Answers

1. A transpiler
2. A Compiler
3. Both Compiler and Transpilar
4. An interpreter

Ans – 3)

38. How can you access the state of a component from inside of a member function?

Answers

1. this.values
2. this.prototype.stateValue
3. this.getState()
4. this.state

Ans – 1)

39. Which of the following API is a MUST for every ReactJS component?

Answers

1. getInitialState
2. render
3. renderComponent
4. None

Ans – 3)

40. What port is the default where the webpack-dev-server will run ?

Answers

1. 8080
2. 3306
3. 3000
4. 9090

Ans – 1)

The Uniform Resource Locator (URL), is a standard for specifying any kind of information on the

Server-End

Client-End

WebPage

Internet

...

Ans- Internet

D10_Tejas Jadhav 43276 01/13 2:12 PM

Which of the following is not considered as an error in JavaScript?

- a) Syntax error
- b) Missing of semicolons
- c) Division by zero
- d) Missing of Bracket

Answer - c

D10_Manasi_Pardeshi 43423 01/13 2:13 PM

JavaScript _____ when there is an indefinite or an infinite value during an arithmetic computation.

- a) Prints an exception error
- b) Prints an overflow error
- c) Displays "Infinity"
- d) Prints the value as such

Answer: c

Explanation: When the result of a numeric operation is larger than the largest representable number (overflow), JavaScript prints the value as Infinity. Similarly, when a negative value becomes larger than the largest representable negative number, the result is negative infinity. The infinite values behave as you would expect: adding, subtracting, multiplying, or dividing them by anything results in an infinite value (possibly with the sign reversed).

D10 Komal Khot 43352 01/13 2:13 PM

Q. Which extension is used to save NodeJs files?

- a) .js
- b) .node
- c) . java
- d) .txt

Ans: .js

D10_Adarsh Gawai_ 43551 01/13 2:14 PM

Q.In JavaScript, what is a block of statement?

A)Conditional block

B)block that combines a number of statements into a single compound statement

C)both conditional block and a single statement

D)block that contains a single statement

Answer: B

Explanation: A block of statement can be understand as the set of the zero or more statements. In general, a block of statement has common definition "which combines one or a number of statements into a single statement for ease.

D10 Rutuja Mathakari 43378 01/13 2:14 PM

What is a web browser?

a) a program that can display a web page

b) a program used to view html documents

c) it enables user to access the resources of internet

d) all of the mentioned

D10_harshitjain 43465 01/13 2:14 PM (Edited)

Q. Dynamic web page _____

a) is same every time whenever it displays

b) generates on demand by a program or a request from browser

c) both is same every time whenever it displays and generates on demand by a program or a request from browser

d) is different always in a predefined order

Answer: b

Explanation: A dynamic web page provides different content every time the user opens it based on some events like new additions or time of the day. Languages such as JavaScript are used to respond to client-side events while languages such as PHP are used to respond to server-side events.

D10_NehaChavan_ 43358 01/13 2:16 PM

1. Which of the following is not JavaScript Data Types?

A. Undefined

B. Number

C. Boolean

D. Float

Ans : D

Explanation: Following are the JavaScript Data types:

Number

String

Boolean

Object

Undefined

D10_Nikhil Gharate_ 43251 01/13 2:26 PM

The type of a variable that is volatile is _____

- a) Volatile variable
- b) Mutable variable
- c) Immutable variable
- d) Dynamic variable

Answer: b

Explanation: The variables whose values can be changed are called mutable variable types. In JavaScript, only objects and arrays are mutable, not primitive values.

D10_Shubham Khatwate 43482 01/13 2:32 PM

Which identifier is used to represent a web browser window or frame?

- a) frames
- b) window****
- c) location
- d) frame

D10_Shubham Jadhav_43247 01/13 2:34 PM

4. Which statement executes the code of sample.js file?

A. nodejs sample.js B. node sample.js C. sample.js D. None of the above

Answer: Option B

D10_Mangesh Kulkarni_43444 01/13 2:39 PM

In Nodejs how node based web servers differ from traditional web servers?

- A. Node based server uses a single threaded model and can serve much larger number of requests compared to any traditional server like Apache HTTP Server.
- B. Node based server process request much faster than traditional server.
- C. There is no much difference between the two.
- D. All of the above

Answer: Option A

D10 Vipul Kadam 43433 01/13 2:40 PM

Which keyword is used to define the function in javascript?

- a) void
- b) int
- c) function
- d) main

Answer: c

Explanation: A JavaScript function is defined with the function keyword, followed by a name, followed by parentheses(). Function names can contain letters, digits, underscores, and dollar signs (same rules as variables).

D10_Snehal Khuspe 43315 01/13 2:45 PM

1) Which statement execute the code of sample.js file?

- A. nodejs sample.js B. node sample.js
- B. node sample.js
- C. sample.jsD. None of the above

ans:B

Answer: node sample.js

You 01/13 2:45 PM

When a user views a page containing a JavaScript program, which machine actually executes the script?

- A. The User's machine running a Web browser
- B. The Web server
- C. A central machine deep within Netscape's corporate offices
- D. None of the above

Ans: A

D10_Sayali Mahale 43575 01/13 2:53 PM

1) Which type of JavaScript language is ____

Object-Oriented

Object-Based

Assembly-language

High-level

Answer: B

Explanation: JavaScript is not a pure OOP's (object oriented programming) based languages such as PHP, java or many other languages, although it is an object-based language. It is not OOP's based language, because it doesn't have three basic properties of object-oriented programming languages, such as polymorphism, encapsulation, and inheritance.

D10 Megha Visrani 43379 01/13 2:54 PM

What is the purpose of a Rendering Engine?

- a) Parsing objects in page
- b) Drawing all objects in page
- c) Both Parsing & Drawing all objects in page
- d) Rendering object

Answer: c

Explanation: It's responsible for displaying the web page. The rendering engine parses the HTML and the CSS and displays the parsed content on the screen. A Rendering Engine is generally used for parsing and drawing all of the objects in the page.

D10-Akash Jadhav- 43375 01/13 2:59 PM

What are the key features of Node.js?

- A. Real time Data intensive B. Highly scalable servers for Web Applications C.
Builds fast and scalable network Applications D. All of the above. Answer:D

D10 Shamal Misal 43321 01/13 3:13 PM

Which of the following is not a valid HTTP method?

- A - get
B - put
C - post
D - header

Answer : D

Explanation

header is not a valid HTTP method.

D10 Manish Agrawal 43678 01/13 3:14 PM

Which of the following template engines can be used with Node.js?

- A. Jade
B. Vash

C. Handlebars

D. All of the above Answer : D

D10_Shivam Jagtap 43697 01/13 3:16 PM

When a user views a page containing a JavaScript program, which machine actually executes the script?

A. The User's machine running a Web browser

B. The Web server

C. A central machine deep within Netscape's corporate offices

D. None of the above

Ans: A

D10_Nikita Mane 43564 01/13 3:50 PM

Q. _____ JavaScript is also called client-side JavaScript.

A. Microsoft

B. Navigator

C. LiveWire

D. Native

Ans: B

D10_Ritesh Jain _43513 01/13 4:48 PM

Which type of JavaScript language is ____

Object-Oriented

Object-Based

Assembly-language

High-level

Answer: B

Explanation: JavaScript is not a pure OOP's (object oriented programming) based languages such as PHP, java or many other languages, although it is an object-based language. It is not OOP's based language, because it doesn't have three basic properties of object-oriented programming languages, such as polymorphism, encapsulation, and inheritance.

What will be the possible output of the following JavaScript code?

```
var a = [1,2,3,4,5];
```

```
a.slice(0,3);
```

- a) Returns [1,2,3]
- b) Returns [4,5]
- c) Returns [1,2,3,4]
- d) Returns [1,2,3,4,5]

Answer: a

Explanation: .slice() function is a predefined function in JavaScript used to keep the elements from starting point and ending point mentioned in the function argument. The elements after the ending point and before the starting point are not shown.

D10_Himanshu Gangil 43473 01/14 2:11 PM (Edited)

The "function" and " var" are known as:

A Keywords

B Data types

C Declaration statements

D Prototypes

..

Answer: C

Explanation: The "function" and "var" both are the Declaration statements. These both are used for defining, and declaring variable, function in anywhere in the program.

D10 Komal Khot 43352 01/14 2:11 PM

Q.Do functions in JavaScript necessarily return a value?

- a) It is mandatory
- b) Not necessary
- c) Few functions return values by default
- d) some functions do not return any value

Answer: c

Explanation: Functions generally have a return statement and hence usually returns a value. Some functions which does not have a return statement returns value by default during execution.

D10_Shubham Khatwate 43482 01/14 2:12 PM

Which of the following keyword stops the execution of JavaScript?

- a) break
- b) return
- c) debugger*****
- d) try....catch

D10_Nikhil Gharate_ 43251 01/14 2:14 PM

When you invoke the..... method on a function f and pass an object o, the method returns a new function.

- A. apply()
- B. call()
- C. bind()
- D. string()

Ans : C

Explanation: When you invoke the bind() method on a function f and pass an object o, the method returns a new function.

D10_harshitjain 43465 01/14 2:19 PM

Q. What will be the equivalent code of the following JavaScript code?

```
for(var p in o) console.log(o[p]);
```

a)

```
for (var i = 0; i < a.length; i++) console.log(a[i]);
```

b)

```
for (int i = 0; i < a.length; i++) console.log(a[i]);
```

c)

```
for (var i = 0; i <= a.length; i++) console.log(a[i]);
```

d)

```
for (var i = 1; i < a.length; i++) console.log(a[i]);
```

Answer: a

Explanation: The in variable does the same task of traversing the array starting from the 0 index. The for/in loop makes it easy to do the same that we do using a for.

D10_Manasi_Pardeshi 43423 01/14 2:28 PM (Edited)

The primary purpose of the array map() function is that it

A. maps the elements of another array into itself

B. passes each element of the array and returns the necessary mapped elements

C. passes each element of the array on which it is invoked to the function you specify, and returns an array containing the values returned by that function

D. None of the mentioned

Answer: Option C

Solution:

The map() method passes each element of the array on which it is invoked to the function you specify, and returns an array containing the values returned by that function.

D10_Tejas Jadhav 43276 01/14 2:29 PM

What will happen if the body of a for/in loop deletes a property that has not yet been enumerated?

- a) The property will be stored in a cache
- b) The loop will not run
- c) That property will not be enumerated
- d) The property will be enumerated

Answer: c

Explanation: If the body of a for/in loop deletes a property that has not yet been enumerated, that property will not be enumerated. If the body of the loop defines new properties on the object, those properties will generally not be enumerated.

D10_Abhaya Pathak 43310 01/14 2:31 PM

What is the observation made in the following JavaScript code?

```
var count = [1,,3];
```

- a) The omitted value takes "undefined"
- b) This results in an error
- c) This results in an exception
- d) The omitted value takes an integer value

Answer: a

Explanation: Array is defined with a null value when no value is mentioned. If you omit a value from an array literal, the omitted element is given an undefined value.

D10 Rutuja Mathakari 43378 01/14 2:51 PM

JavaScript Code can be called by using _____

- a) RMI
- b) Triggering Event
- c) Preprocessor
- d) Function/Method***

D10_Adarsh Gawai_ 43551 01/14 3:02 PM

Q.Which one of the following is the correct way for calling the JavaScript code?

- A)Preprocessor
- B)Triggering Event
- C)RMI
- D)Function/Method

Answer: D

Explanation: The JavaScript code can be called simply by making the function call to the element on which the JavaScript code execution has to be run. There are several other ways to call JavaScript code such as submit, onclick, and onload, etc.

D10 Megha Visrani 43379 01/14 3:04 PM

Which of the following is not JavaScript Data Types?

- A. Undefined
- B. Number
- C. Boolean
- D. Float

Ans : D

Explanation: Following are the JavaScript Data types:

Number

String

Boolean

Object

Undefined

D10_Aakash_Gite_43335 01/14 3:10 PM

Why a Node.JS code is pretty fast although being written in JavaScript?

- A. Node.JS internally converts JavaScript code to Java based code and then execute the same
- B. Node.JS internally converts JavaScript code to C based code and then execute the same
- C. Being built on Google Chrome's V8 JavaScript Engine
- D. None of the above

Ans- c

You 01/14 3:11 PM (Edited)

The primary purpose of the array map() function is that it _____

- a) maps the elements of another array into itself
- b) passes each element of the array and returns the necessary mapped elements
- c) passes each element of the array on which it is invoked to the function you specify, and returns an array containing the values returned by that function****
- d) pass the elements of the array into another array

D10 Vipul Kadam 43433 01/14 3:46 PM

What will be the output of the following JavaScript code?

```
int sum=0;
var arr = [10,15,20,30];
arr.forEach(function myFunction(element)
{
    sum= sum+element;
});
document.writeln(sum);
```

- a) 70
- b) 75
- c) 10
- d) error

[View Answer](#)

Answer: b

Explanation: forEach is a predefined function in Javascript which used to traverse through the array. It works in a similar way to for loop and iterates through each value in array.

D10_Snehal Khuspe 43315 01/14 4:38 PM

What is the advantage of using node.js?

- A. It provides an easy way to build scalable network programs
- B. Generally fast
- C. Great concurrency
- D. All of these

ans: D

D10_Shivam Jagtap 43697 01/14 5:09 PM

Q.Do functions in JavaScript necessarily return a value?

- a) It is mandatory
- b) Not necessary
- c) Few functions return values by default
- d) some functions do not return any value

Answer: c

Explanation: Functions generally have a return statement and hence usually returns a value. Some functions which does not have a return statement returns value by default during execution.

D10 Abhishek Kothawale 43646 01/14 5:20 PM (Edited)

Node uses _____ engine in core.*

- A) Microsoft Chakra
- B) Chrome V8***
- C) Node En
- D) SpiderMonkey

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine.

D10_Sayali Mahale 43575 01/14 5:26 PM

In the JavaScript, which one of the following is not considered as an error:

- Syntax error
- Missing of semicolons
- Division by zero
- Missing of Bracket

Answer: C

Explanation: Division of any integer by zero is not an error in the JavaScript. It just prints the infinity as a result. However, there is an exception in JavaScript, dividing zero with zero will not have any defined number/value so, the result of this specific operation is a special value "Not a Number" (or NaN) and printed as NaN.

D10 Manish Agrawal 43678 01/14 5:31 PM

What will be the output of the below code ?

```
var package;  
  
console.log("Package: " + package)  
  
console.log("Amount: " + amount);
```

- A. Package: null; Amount: null;
- B. Package: undefined; Amount: undefined;
- C. Package: null; An ReferenceError is thrown saying amount is not defined;
- D. Package: undefined; An ReferenceError is thrown saying amount is not defined;

Ans : D

Explanation: Package: undefined; An ReferenceError is thrown saying amount is not defined; is the output of the below code

D10 Shyam Kulkarni 43428 01/14 7:16 PM

Which of the following code prints memory usage?

A - console.log(process.memoryUsage());

B - `console.log('Current version: ' + process.memory());`

C - `console.log('Current version: ' + process.getMemory());`

D - None of the above.

Answer : A

Explanation

`process.memoryUsage()` can be used to get the memory usage.

codewitharrays 8007592194

Which of the following is true about fs module of Node?

A - Every method in fs module have synchronous as well as asynchronous form.

B - Asynchronous methods of fs module take last parameter as completion function callback and first parameter of the callback function as error.

C - Both of the above.

D - None of the above.

Answer : C

Explanation

Every method in fs module have synchronous as well as asynchronous form. Asynchronous methods of fs module take last parameter as completion function callback and first parameter of the callback function as error.

D10_Shubham Khatwate 43482 01/15 2:17 PM

The Node.js modules can be exposed using

A. module.expose
module
module.exports
above

B.
C.
D. All of the

D10_harshitjain 43465 01/15 2:21 PM

Q.Does JavaScript allow exception handling?

- A. Yes, it provides try, catch as well as throw key word for exception handling
- B. Yes, but it provides only try block
- C. Yes, but it provides only Try catch block, but does not allow throw exception
- D. No

Ans : A

Explanation: JavaScript implements the try...catch...finally construct as well as the throw operator to handle exceptions. You can catch programmer-generated and runtime exceptions, but you cannot catch JavaScript syntax errors.

D10_Tejas Jadhav 43276 01/15 2:24 PM

Which of the following is a feature of the HTTP response?

- a) Mandatory response body
- b) Optional response body
- c) URL being released
- d) Optional set of response headers

Answer : A

D10_Jaswant patil _43405 01/15 2:26 PM

A software that lies between the OS and the applications running on it.

- a) Firmware
- b) Middleware
- c) Utility Software
- d) Application Software

View Answer

Answer: b

Explanation: It is called as middleware. Middleware enables the interaction between the Operating System and the applications running on it.

D10_Himanshu Gangil 43473 01/15 2:29 PM

The _____ method of an Array object adds and/or removes elements from an array.

- A. Reverse
- B. Shift
- C. Slice
- D. Splice

Ans : D

Explanation: The splice() method returns the removed item(s) in an array and slice() method returns the selected element(s) in an array, as a new array object

D10_Manasi_Pardeshi 43423 01/15 2:37 PM

What is Callback?

A - Callback is an asynchronous equivalent for a function.

B - Callback is a technique in which a method call back the caller method.

C - Both of the above.

D - None of the above.

Answer : A

Explanation

Callback is an asynchronous equivalent for a function.

D10_Nikita Mane 43564 01/15 2:49 PM

Q. Node.js runs on _____

1. Client

2. Server

3. Both, server and client

4. None of the above

Answer:

2. Server

You 01/15 2:51 PM

Which of the following is true with respect to Node.

A - Every API of Node js are asynchronous.

B - Node being a single thread, and uses async function calls to maintain the concurrency.

C - Node thread keeps an event loop and whenever any task get completed, it fires the corresponding event which signals the event listener function to get executed.

D - All of the above****

D10 Sumeet Gavaskar 43437 01/15 2:52 PM

What is the advantage of using node.js?

A. It provides an easy way to build scalable network programs

B. Generally fast

C. Great concurrency

D. All of these

Answer: Option D

D10 Shyam Kulkarni 43428 01/15 2:57 PM

How can we create instance of http module ?

0 0

A. `var http = require("http");`

B. `var http = new require("http");`

C. `var http = new http();`

D. None of the above

Answer:

`var http = require("http");`

D10 Manish Agrawal 43678 01/15 3:02 PM

What are the key features of Node.js?

A. Real time Data intensive

B. Highly scalable servers for Web Applications

C. Builds fast and scalable network Applications

D. All of the above

Answer: Option D

D10_Snehal Khuspe 43315 01/15 3:06 PM

Which of the following statement is valid to use a Node module fs in a Node based application?

A - `var fs = require("fs");`

B - `var fs = import("fs");`

C - package fs;

D - import fs;

Answer : A

Explanation

Require directive is used to load a Node module(fs) and store returned its instance(fs) into its variable(fs).

D10 Shamal Misal 43321 01/15 3:11 PM

Which of the following Node object property returns the local part of the name of a node?

a) lastName

b) localName

c) firstName

d) objectname

Answer: b

Explanation: The Node object property localName Returns the local part of the name of a node. If the selected node is not an element or attribute, this property returns NULL.

D10 Vipul Kadam 43433 01/15 3:44 PM

Q. What will be printed in the console on execution of the following JS code:

```
const array = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15];
```

```
const myArr= array.filter(v => v % 3 == 0).map(n => n / 3)
```

```
console.log(myArr);
```

- A. myArr
- B. [3, 6, 9, 12, 15]
- C. [1, 2, 3, 4, 5]
- D. [1, 2, 4, 5, 7, 8, 10, 11, 13, 14]

Answer : C

D10 Komal Khot 43352 01/15 3:55 PM

The main purpose of JavaScript in web browser is to _____

- a) Creating animations and other visual effects
- b) User Interface
- c) Visual effects
- d) User experience

Answer: a

Explanation: JavaScript can help to facilitate that experience, for example by:

- * Creating animations and other visual effects to subtly guide a user and help with page navigation
- * Sorting the columns of a table to make it easier for a user to find what she needs

D10 Megha Visrani 43379 01/15 4:18 PM

Which of the following code print the total free memory of operating system?

A - `console.log('free memory : ' + os.freemem() + " bytes.");`

B - `console.log('free memory : ' + os.freemem + " bytes.");`

C - `console.log('free memory : ' + os.getFreeMemory() + " bytes.");`

D - None of the above.

Answer : A

Explanation

`os.freemem()` returns the free amount of system memory in bytes.

D10_neha_dandvekar_43371 01/15 4:27 PM

How can you get the type of arguments passed to a function?

A - using `typeof` operator

B - using `getType` function

C - Both of the above.

D - None of the above.

Answer : A

Explanation

Using typeof operator, we can get the type of arguments passed to a function.

D10_Adarsh Gawai_ 43551 01/15 4:34 PM

Q.The let keyword cannot be used _____

- a) as a substitute of var
- b) as a block statement to define new variables
- c) to define variables that are scoped to a single expression
- d) in a else if loop, as a substitute for var

Answer: d

Explanation: The let keyword can be used in four ways :

- (1) as a variable declaration like var;
- (2) in a for or for/in loop, as a substitute for var;
- (3) as a block statement, to define new variables and explicitly delimit their scope; and
- (4) to define variables that are scoped to a single expression.

D10_Shivam Jagtap 43697 01/15 5:01 PM

The main purpose of JavaScript in web browser is to _____

- a) Creating animations and other visual effects
- b) User Interface
- c) Visual effects
- d) User experience

Answer: a

Explanation: JavaScript can help to facilitate that experience, for example by:

- * Creating animations and other visual effects to subtly guide a user and help with page navigation
- * Sorting the columns of a table to make it easier for a user to find what she needs

D10-Akash Jadhav- 43375 01/15 5:32 PM

Q. How Node.js modules are available externally

- a.module.exports
- b.module.spread
- c.module.expose
- d.None of Above

Answer: a

Which of the following is true about process global object?

- A. The process object is an instance of EventEmitter.
- B. process emits exit event when process is about to exit.
- C. process emits uncaughtException when an exception bubbles all the way back to the event loop.
- D. All of the above

Ans : D

Explanation: The process object is an instance of EventEmitter and emits the above mentioned events.

Which module is used to serve static resources in Node.js?

- A. static
- B. node-resource
- C. http
- D. node-static****

Which of the following is true about RESTful web services?

A. Webservices based on REST Architecture are known as RESTful web services

B. Webservices uses HTTP methods to implement the concept of REST architecture

C. Both of the above

D. None of the above

Answer :- C

Which of the following provides in-built events.

A - events

B - callback

C - throw

D - handler

Answer : A

Node has multiple in-built events available through events module.

SHA-1 produces a hash value of

- a) 256 bits
- b) 160 bits
- c) 180 bits
- d) 128 bits

Answer: b

SHA256 is a ..?

- A. Reversible cryptographic hash function
- B. Irreversible cryptographic hash function

Ans :A

In SHA-512, the message is divided into blocks of size ____ bits for the hash computation.

- a) 1024
- b) 512
- c) 256
- d) 1248

Answer: a

Explanation: The message is divided into blocks of size 1024 bits, and the output produced is a 512-bit message digest.

D10_harshitjain 43465 01/21 4:41 PM

Q. Something that happened in our application that we can respond too.

events

actions

procedures

callback

Answer

events

How many node types are there in total?

a) 11

b) 12

c) 13

d) 14

Answer: b

Which of the following code prints memory usage?

A - `console.log(process.memoryUsage());`

B - `console.log('Current version: ' + process.memory());`

C - `console.log('Current version: ' + process.getMemory());`

D - None of the above.

Answer : A

Explanation

process.memoryUsage() can be used to get the memory usage.

8. Node.js terminal (REPL) is used for _____.

- A. testing node.js/JavaScript expressions*****
- B. executing browser's JavaScript expressions.
- C. the preview of node.js application.
- D. None of the above

What is the default scope in Node.js application.

- A. Global
- B. Local****
- C. Global Function
- D. Local to object

Which of the following command will show all the modules installed locally.

A - \$ npm ls -g

B - \$ npm ls

C - \$ node ls -g

D - \$ node ls

Ans : b

In which directory react components are saved ?

- A. Inside js/components/****
- B. Inside vendor/components/
- C. Inside external/components/
- D. Inside vendor/

What are the limitations of ReactJS?

- A. React is only for view layer of the app so we still need the help of other technologies to get a complete tooling set for development
- B. React is using inline templating and JSX. This can seem awkward to some developers
- C. The library of react is too large
- D. All of these***

Number of elements, a valid react component can return

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

D.4

Answer: A

Explanation: In react component we can return only one element

What is Babel?

A. A transpiler.

B. An interpreter

C.A Compiler

D. Both Compiler and Transpilar

Answer :

Both Compiler and Transpilar

Q. How many elements does a react component return?

a. 2 Elements

b. 1 Element

c. Multiple Elements

d. None of These

Answer -

c. Multiple Elements

Q.What is state in React?

A persistent storage.

An internal data store (object) of a component.

Answer

An internal data store (object) of a component.

Which of the following API is a MUST for every ReactJS component?

- A. getInitialState
- B. render
- C. renderComponent
- D. None

Answer : Option C

In React js component's render method_____

- A. JSX can be used to create elements
- B. Java script can be used to create elements
- C. Both can be used
- D. None of above

Explanation

Correct Option :C.

In React Js components render method both JSX and Javascript can be used to create elements

How can you access the state of a component from inside of a member function?

- A. this.getState()
- B. this.prototype.stateValue
- C. this.state
- D. this.values

Ans : this.values

JSX allows us to write HTML elements in JavaScript and place them in the DOM without any?

- A. createElement
- B. appendChild
- C. getElementById
- D. Both A and B

View Answer

Ans : D

Explanation: JSX allows us to write HTML elements in JavaScript and place them in the DOM without any createElement() and/or appendChild() methods.

In react what is used to pass data to a component from outside ?

- A. setState
- B. render with arguments
- C. props****
- D. PropTypes

Props are _____ into other components

- A. Injected
- B. Methods*****
- C. Both A and B
- D. All of these

What kind of component import React from 'react' is?

stateless component

statefull component

pure component

Answer

import React from 'react' is a stateless component.

At the highest level, React components have lifecycle events that fall into

- A. Initialization
- B. State/Property Updates
- C. Destruction
- D. All of these

Answer: Option D

Which of the following below act as the input of a class-based component?

(A) class

- (B) factory
- (C) render
- (D) props

Correct Answer:

- (D) props

In React what is used to pass data to a component from outside?

- 1) setState
- 2) render with arguments
- 3) props
- 4) PropTypes

Answer : Props are used to pass data to a component from outside

Regarding React js components, which of following statement is true?

- A.function components can have state
- B.function components are light weight
- C.class components are light weight
- D.class components are faster than function component

Answer :B

Explanation:

React js function components are light weight and are faster than class components

How can you access the state of component from inside of a member function ?

A. this.getState()

B. this.values****

C. this.prototype.stateValue

D. this.state

props in react can _____

A. Be changed inside the component

B. Not be changed in the component

C. Be changed in side other component

D. None of above

Explanation

Correct Option :B.

props can not be changed in the component

What does webpack command do?

1. Transpiles all the Javascript down into one file
2. Runs react local development server.
3. It is a module bundler*****
4. none

Which of the following below act as the input of a class-based component?

- a) class and factory
- b) render and mount
- c) props
- d) state

ANS: props

Which of the following option is used to access the state of a component from inside of a member function?

- A) this.state
- B) this.values
- C) this.getState()
- D) this.prototype.stateValue

Answer : (B) this.values

Redux solves this problem by managing application's state with a single global object called ?

- A. directory
- B. file
- C. store***
- D. None of the above

Actions and states are held together by a function called?

- A. Reducer
- B. Redux
- C. suscribe
- D. view

Ans : A

Explanation: Actions and states are held together by a function called Reducer. An action is dispatched with an intention to cause change. This change is performed by the reducer.

Redux can have _____ store in your application

- A. single
- B. double

C. multi

D. None of the above

Ans : A

Explanation: Redux can have only a single store in your application. Whenever a store is created in Redux, you need to specify the reducer.

Q.What is true about redux?

A. Redux is a predictable state container for JavaScript apps.

B. Redux fundamental principles help in maintaining consistency throughout your application

C. Redux makes debugging and testing easier

D. All of the above

Ans : D

Explanation: All of the above statement are true.

Reducers are a pure function in Redux.

A. TRUE

B. FALSE

- C. Can be true or false
- D. Can not say

Ans : A

A createStore function can have _____ arguments.

- A. 1
- B. 2
- C. 3
- D. 4

Ans : C

Explanation : A createStore function can have three arguments. The following is the syntax :
`createStore(reducer, [preloadedState], [enhancer])`

Redux follows the _____ data flow.

- A. unidirectional
- B. bidirectional
- C. Both A and B
- D. None of the above

Ans : A

Which of the following rules are correct for Pure Functions?

- A. A function returns the same result for same arguments.
- B. Its evaluation has no side effects, i.e., it does not alter input data.
- C. No mutation of local & global variables
- D. All of the above

Ans : D

Which of the following is the correct data flow sequence of flux concept?

- (A) Action->Dispatcher->View->Store
- (B) Action->Dispatcher->Store->View
- (C) Action->Store->Dispatcher->View
- (D) None of the above

Answer :

- (B) Action->Dispatcher->Store->View

Keys are given to a list of elements in react. These keys should be -

- a) Do not require to be unique
- b) Unique in the DOM
- c) Unique among the siblings only

d) All of the above

Answer= c) Unique among the siblings only

The _____ notifies the view by executing their callback functions

A. state

B. store

C. reducer

D. action

Ans : B

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