

What will the function of the following code?

```
var scope ="global scope"
function checkscope(){
    var scope ="local scope";
    function f()
    {
        return scope;
    }
    return f;
}
var func = checkscope();
func()
```

(126,152,167,194,242)

Answers:

- 1)local scope
- 2)global scope
- 3)Undefined
- 4)Null

The Output of the Javascript function?

```
(
    function (){
        var a="12"
        var b=3;
        alert(a+b);
    }
)
```

Answers:

- 1) 15
- 2) 123
- 3) throws exception
- 4) javascript doesnot support concatenation

State true or false?

We can have Articles & Sections within each other.

Answers:

- 1) True
- 2) False

Select the correct code snippet that will post a message in JSON format to a web worker

1)

```
var result =[];  
myWorker = new Worker("fibworker.js");  
myWorker.sendWorkerMessage({'seriesLen':40,'resultArray':result});
```

2)

```
var result =[];  
myWorker = new Worker("fibworker.js");  
myWorker.postMessage({'seriesLen':40,'resultArray':result});
```

3)

```
var result =[];  
myWorker = new Worker("fibworker.js");  
myWorker.postMessage({'seriesLen':40,'resultArray':result});
```

4)

```
var result =[];  
myWorker = new Worker("fibworker.js");  
myWorker.sendWorkerMessage({'seriesLen':40,'resultArray':result});
```

Which of the following statement is/are correct?

Answers:

- 1) 'onload' event is triggered when the user leaves the page
- 2) 'onunload' event is triggered when the user enters the page
- 3) 'onclick' technically is a keyboard event. (type of event)
- 4) 'onclick' technically is a mouse event. (type of event)

What will be the output of the following Javascript code?

```
function output(option){  
    return (option ? 'yes' : 'no');  
}  
var ans=true;  
console.log(output(ans))
```

Answers:

- 1) error
- 2) yes
- 3) no
- 4) None of the above

The Output of the below Javascript when user click on ‘submit’ button:

```
<script type="text/JavaScript">
  window.onload=function() {
    document.getElementById("submit").addEventListener("click",validateInput,false)
    document.getElementById("submit").addEventListener("click",postValidate,false)
  }
```

Answer:

- 1) validateinput & postvalidate function will be executed
- 2) only validateInput function will be executed
- 3) only postvalidate function will be executed
- 4) will throw javascript error

Select Correct Statement from the following that explains the meaning of undefined and null value of the variable?

Answer:

- 1) Undefined is when the program didnot create the variable and null is when the program can't create the varaiable
- 2) null is computed value of a variable and undefined is programmer defined value of the variable
- 3) undefined is assigned by browser until the variable is not given a value,null is asssigned by programmer
- 4) undefined is when program can not assigned can not assign the value and null when programmer cannot assign a value.

Select the correct statement about prototype object in javascript.

Answers:

- 1)Prototypes can be used to add only methods not properties.
- 2)Anything you add to this will be inherited by all its sub objects
- 3)You are allowed to create only one prototype per object
- 4)Prototype is supported in mobile browsers

What will happen if the name of the ajax callback function is mis-spelt while registering on it?

Answer:

- 1) Ajax response will not be processed but no error will be shown
- 2) Error is shown when page is first loaded
- 3) Error is shown when response is received
- 4) Error is shown when request is sent
- 5) Cannot say depends on the browser

Which of the following are correct about web workers in HTML5?

Answers:

- 1) Web workers are scripts that run in their own background thread.
- 2) Web workers are for performing a computationally expensive task without interrupting the user interface.
- 3) Web workers are for performing a computationally expensive task without interrupting the user interface.
- 4) All of the mentioned options

What is the output of the below code?

```
var color='red'  
function changeColor(){  
    var color='green';  
}  
changeColor();  
alert(color);
```

Answer:

- 1) red
- 2) green
- 3) undefined
- 4) none of the above

From Javascript when we send data to server from Payload/Request Body, _____ header is used to indicate type of data that is being used?

Answer:

- 1) Accept
- 2) ContentType
- 3) ContentLength
- 4) Type

Which of the following is used as a format for transferring data?

Answer:

- 1) XMLHttpRequest
- 2) JavaScript/DOM
- 3) CSS
- 4) XML

Assume there is a button with id “btn1”

Code snippet of event registering is given below

```
window.onload=function(){  
    document.getElementById("btn1").onclick=method1;  
    document.getElementById("btn1").onclick=method2;  
}
```

Answer:

- 1) Execution order will be method1 and then method2
- 2) Only method1 will be called
- 3) Only method2 will be called**
- 4) Order of execution will be unknown

Which of the following is/are Correct?

- A) Event is an action which occurs when the user communicates with the web page.
 - B) A Mouse click is an example of event generated by User
 - C) One can write Inline EventHandler in the Web Page although it is not recommended
-
- 1) Only A
 - 2) Only B
 - 3) Only C
 - 4) All**

Suppose you have an Object Employee created as follows:

```
var emp = new Employee("Sagar",23,"Kothrud");  
function Employee(name,age,address){  
    this.name=name;  
    this.age=age;  
    this.address=address;  
}
```

Answer:

- 1) Employee.prototype.location="Pune".**
- 2) Object.location="Pune"
- 3) emp.location="Pune".

What will be the output?

```
function EMployee(r){  
    role="tester";  
    this.role=r;  
    this.getRole=function(){  
        console.log(role)  
    }  
}
```

```
var e1 = new EMployee("developer");
e1.getRole();
```

Answer:

- 1) developer
- 2) tester**
- 3) undefined

Select Correct way to add property "num" to the "obj" object?

Answer:

- 1) obj.num=12
- 2) obj['num']=12
- 3) Object.defineProperty(obj, 'num', {value:12})
- 4) All of the Above**

How do you insert comment in a CSS3 File ?

Answers:

- 1) //Comment on CSS
- 2) [Comment in CSS]
- 3) /*Comment in CSS*/**
- 4) None of the Above

What is the significance of the First Parameter in getCurrentPosition() API ?

```
window.navigator.geolocation.getCurrentPosition(onSuccessHandler);
onSuccessHandler=(pos)=>{
    alert("Latitude is "+pos.coords.latitude);
    alert("Longitude is "+pos.coords.longitude);
}
```

Answer:

- 1) It is a callback function which will be called when position details are retrieved**
- 2) It is a callback function which will be called when position details are partially retrieved
- 3) It is an object which will contain the position details
- 4) None of the Above

Which of the following is the correct way of using Object.defineProperty method ?

Answers:

- 1) Object.defineProperty(object,key,value)
- 2) Object.defineProperty(key, {property:value})
- 3) Object.defineProperty(key,value)
- 4) Object.defineProperty(object,key,{property:value})**

Select correct code to declare a media query in CSS document?

Answers:

- 1) `@media only screen and (max-width: 480px){}`
- 2) `@screen only media and (max-width: 480px){}`
- 3) `@responsive only screem and (max-width: 480px) {}`
- 4) `$media only screen and (width: 480px) {}`

Suppose in a html file there is a button inside one div as

```
document.getElementById("submit").onclick=buttonHandler;  
document.getElementById("section1").onclick=divHandler;
```

```
function buttonHandler(){  
    console.log("Button Handler");  
}  
function divHandler(){  
    console.log("Div Handler");  
}
```

What will the output when the button is clicked ?

Answers:

- 1) Button Handler
- 2) Div Handler

What will be displayed on page if the below input type (number) is not supported

```
<input type="number" id="age" />
```

- 1) It will display an error
- 2) It will display a plain text box
- 3) It will not display anything
- 4) None of the above

Which of the following is/are true ?

Answers:

- 1) Closure is a special kind of Variable
- 2) Closure is special kind of in build Object
- 3) Using Closures, we cannot create private members
- 4) There is no memory overhead even if we use closures excess required or not

Which is design for storage that spans multiple windows, and lasts beyond the current session?

Answers:

- 1) Session Storage
- 2) Window Storage
- 3) Local Storage**
- 4) All of the Above

Which of the following is correct way to write a JSON?

Answers:

- 1) { this.role="developer"; }
- 2) { role ="developer" }
- 3) { this.role: "developer" }
- 4) { "role" : "developer" }**

Which of the following is /are valid ways of defining function using function declaration syntax ?

Answers:

```
4)     function getValue(message){  
    return parseInt(message)  
}  
var value = getValue(100);
```

Which of the following is correct about geolocation api in HTML5 ?

Answer:

- 1) HTML5 Geolocation API let you share your location with your web sites.
- 2) A Javascript can capture your latitude and longitude and can be sent to backend web server and do fancy location things
- 3) Today most of the browser and mobile devices supports Geolocation API
- 4) All of the above**

Select the Correct answer from the following that completes the statement ?

Answers:

Object.keys.method

- 1) will return only key name of an object**
- 2) will loop over all the properties of an object whose enumerable property is set to true
- 3) can be used to modify the names of the object properties
- 4) is boolean value that returns true if the object has any keys

What is the output of the below code ?

Answers:

- 1) 1234abc
- 2) undefined
- 3) 1234**
- 4) error

Which of the following tag would be used to highlight parts of your text?

Answers:

- 1) cite
- 2) dfn
- 3) mark**
- 4) All of Above

CSS3 introduces_____for responsive web design & allows developer to target different devices

Answers:

- 1) Flexbox
- 2) Media Queries**
- 3) float property
- 4) inline-block

What will be output of following Javascript Code ?

```
<script>
  var foo=10;
  var foo=20;
  alert(foo);
</script>
```

Answers:

- 1) 10
- 2) 20**
- 3) Error: foo redclared

In CSS3 the line between two column can be specified by the_____property

Answer;

- 1) column-line
- 2) column-rule**
- 3) horizontal-rule
- 4) line-rule

Assume there is a div with id “div1” containing few images. How can we alert “src” of first image from it in the script ?

Answer:

3) var div1 = document.getElementById("div1");
var first = div1.getElementsByTagName("img")[0];
alert(first.getAttribute("src"));

Which boolean valued attribute plays the media as soon as the video control loads ?

Answer:

- 1) play()
- 2) **autoplay**
- 3) onload()
- 4) None of the Above

To block the user from entering space into the text box in javascript we can implement event Handler ?

Answer:

- 1) onblur event of text box
- 2) **onkeypress event of text box**
- 3) onfocus event of text box
- 4) onclick event of textbox

Which of the following Attribute is used to include External JS code inside your HTML document ?

Answer:

- 1) **src**
- 2) ext
- 3) script
- 4) link

Consider the following JSON string:

```
var jsonStr= {"students" : { "student1" : { "name" : "Jayent" , "age" : "25"} } };
```

How can we fetch the user Jayant ?

Answer;

1) **jsonStr.students.student1.name**

Select the correct statement which is true about Javascript

Answer:

- 1) client side data Validation
- 2) upload and download files
- 3) must be compiled before use
- 4) script is executed on server

Which library is used to check HTML5 feature supported by user browser ?

Answer:

- 1) D3
- 2) jQuery
- 3) React
- 4) Modernizr

CSS3 property that changes the origin of the item to be drawn from?

Answer:

- 1) transform : translate(100,100)
- 2) translate: transfrom(100,100)
- 3) transform: rotate()
- 4) None of the above

What is an alternative storage API for cookies in HTML5 ?

Answer:

- 1) Web beacons
- 2) java script Objects
- 3) Local Storage
- 4) None of the above

Which property maintains the childElements of an element ?

Answer:

- 1) item
- 2) childNodes
- 3) length
- 4) child

Document.querySelector('#targetDiv') selects

Answer:

- 1) An element by id: TargetDiv
- 2) An element with class: targetDiv
- 3) All Element with id: targetDiv
- 4) All of the above

What base point is taken for displaying element as per css selector

```
#box{  
position: relative;  
left: 20px;  
top: 20px;  
}
```

- 1) It is positioned relative to the nearest positioned ancestor
- 2) It is positioned to its normal position**
- 3) It is positioned Relative to browser window
- 4) None of the above

Which input type displays a slider control?

Answer:

- 1) <input type="slider">
- 2) <input type="range">**
- 3) <input type="sliderranger">
- 4) <input type="rangerslider">

Which Boolean attribute in HTML5 makes an input field value to validate against a regular expression ?

Answer:

- 1) regex
- 2) pattern-validate
- 3) pattern**
- 4)None of the above

Which of the following is true about variable declaration in Javascript ?

Answer:

- 1) When you declare a variable with a var within a function scope it creates a local variable which can be accessed only within that scope**
- 2) when you declare a variable with var within a function scope it creates a global variable which can be accessed from anywhere
- 3) when you declare a variable with var or without var within a function scope the variable is global
- 4) variable within function cannot be declared as var

If we have declared object like below

var obj = { name: "ABC"}

which of the following is/are correct syntax to access 'name' of 'obj'

Answer:

- 1) name["abc"]
- 2) obj["name"]
- 3) obj.name
- 4) None of the above

What is correct code to assign an onclick event to a button element ?

Answer:

```
<script>
document.getElementById("myBtn").onclick=function(){displayDate()};
</script>
```

Which is a CSS3 new feature that uses keyframes ?

Answer:

- 1) canvas
- 2) SVG
- 3) animation
- 4) transform()

Which of the following inbuilt Javascript Object will help us fetch more details about the event occured on page ?

Answer:

- 1) event
- 2) document
- 3) node
- 4) element

What is the output of the following code when clicked on submit button?

```
<p id="myP"> Click the button to get node Element</p>
<button onclick="my()">Submit</button>
<p id="demo"></p>
<script>
    function my(){
        var x = document.getElementById("myP").nodeType;
        document.getElementById("demo").innerHTML=x;
    }
</script>
```

Output: 1

What will be the output of the following program

```
var result = typeof(10*10+5+" value ");
alert(result)
```

- 1) Exception is thrown
- 2) string**
- 3) Number
- 4) NaN

In Case of post request in ajax , to send data in request body which of the following must be set

Answer:

- 1) `http.setRequestHeader("Content-type", "application/x-www-form-urlencoded");`
- 2) `http.setRequestHeader("Content-type", "SEND-POST")`
- 3) `http.setRequestHeader("Content-type", "Request-POST")`
- 4) `http.setRequestHeader("Content-type", "Request-GET")`**

Which Event will Help us to manage response processing in an asynchronous call ?

Answer:

- 1) `onreadystatechange`
- 2) `onchange`
- 3) `onreadystatechangechange`**
- 4) `onresponse`

Suppose there are 2 element node having same classifier as :-

```
<h1 id="heading">First</h1>
<h1 id="heading">Second</h1>
```

What will be the output if we write

```
document.getElementById("heading").innerText="update heading";
```

Answer:

- 1) updated heading
second**
- 2) updated heading
updated heading
- 3) first
second

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

```
var a = [1,2,3,4,5]
console.log(a.slice(0,3));
```

Answer:

- 1) [1,2,3]
- 2) [4,5]
- 3) [1,2,3,4]
- 4) [1,2,3,4,5]

What will be the output of the following JavaScript Code ?

```
<p id="demo"></p>
<script>
document.getElementById("demo").innerText=typeof "John";
</script>
```

Answer:

- 1) integer
- 2) number
- 3) string
- 4) error

Select the correct number of properties the addEventListener method takes

Answer:

- 1) only one parameter
- 2) two only parameter
- 3) three parameter
- 4) two are mandatory and two are optional

CSS3 introduces _____ flexbox for responsive web design & allow developers

Answer:

- 1) Flexbox
- 2) Media Querries
- 3) float property
- 4) inline-block

How can we fetch all attributes for an HTML element “imgElem”

Answer:

- 1) imgElem.attribute
- 2) imgElem.getAllAttributes()
- 3) imgElem.getAttribute()
- 4) None of the above

Which of the following is an IIFE ?

Answer:

- 1)

```
(function (x) {  
    return x*x;  
})(10);
```
- 2)

```
var f =(function (x) {  
    return x * x  
}) f(10);
```
- 3) Javascript doesn't support IIFE
- 4) None of the Above

A function that is defined inside another function's activation object into its scope chain , the concept is known as

Answer:

- 1) Function Expression
- 2) Function Declaration
- 3) **Closure**
- 4) Prototype

The_____element is used to markup a collection of links to external pages or section within current page

Answer:

- 1) <header>
- 2) **<link>**
- 3) <nav>
- 4) <aside>

Which of the following is correct ?

- 1) Node ELEMENT_NODE is the constant for element node type and can be used to find out whether the node is an element node or not
- 2) Node type for element node is 1
- 3) Document node does not have any node type because it is the root node of HTML DOM.

Answer:

- 1) A & B
- 2) B & C
- 3) A & C
- 4) All

Which property maintains the childElements of an Element ?

Answer:

- 1) item
- 2) childNodes
- 3) length
- 4) child

When Does the function Name become optional in Javascript ?

Answer:

- 1) When the function is defined as a looping as for
- 2) when the function is defined as expression
- 3) when the function is predefined
- 4) when the function is called

State true or False

We cannot register more than one event handler for an element using addEventListener method.

Answer:

- 1) TRUE
- 2) FALSE

Suppose we have the below style defined

```
div {  
background-image: url(Desert.gif)  
background-size : 100% 100%  
background-repeat: no-repeat  
}
```

Which of the following is the correct answer?

- 1) The image ‘Desert.jpg’ is used as background image
- 2) Background-size has invalid values
- 3) The image ‘Desert.jpg’ will be stretched to fill the content area.
- 4) A & C

State True or False . We cannot have more than one header and footer on each page .

Answer:

- 1) TRUE
- 2) FALSE

What is correct syntax to change text color of all paragraph

Answer:

1) p.content{
color: blue
}

2) p#content{
color:blue;
}

3) p.content{
font-color: blue;
}

Which of the following is/are correct with respect to event Object ?

- 1) We can identify type of the event
- 2) We can identify position of the mouse
- 3) We can identify the target element on which the element is generated

Answer:

- 1) A
- 2) B
- 3) C
- 4) None
- 5) All A,B and C

Which of the following is not valid HTML5 input type?

Answer:

- 1) datetime
- 2) url
- 3) data
- 4) number

If this attribute is present, it will allow user to control audio playback,including volume, seeking and pause resume and Playback

Answer:

- 1) src
- 2) controls
- 3) preload
- 4) autoplay

How to invoke the function showSelected() in the code given below so that the textbox “two” has the value “1” in it ?

```
<script>
function showSelected(id,e){
    document.getElementById(id).value = options[e.selectedIndex].text;
}

</script>

<select id="one">
    <option>1</option>
    <option>2</option>
</select>
<input type="text" id="two">
<script>
// showSelected(document.getElementById("two"),document.getElementById("one"));
showSelected("two","one")
</script>
```

Answer:

```
<script>
1) showSelected(document.getElementById("two"),document.getElementById("one"));
2) showSelected("two","one")
3) showSelected("two",document.getElementById("one"))
</script>
```

4) the function cannot be called inside the specified position

What will be the output ?

```
function Employee(){
    this.location ="Nagpur";
}
Employee.prototype = {
    getLocation : function(){
        console.log(this.location)
    },
    setLocation : function(l){
        this.location=l;
    }
};

var e1 = new Employee();
e1.getLocation = function(){
    console.log("Hydrabad")
};
```

```
e1.setLocation("Pune");
e1.getLocation();
```

Answer:

Hydrabad

Which boolean attribute makes an input field value mandatory for end user to enter ?

Answer:

- 1) validate
- 2) required
- 3) mandatory
- 4) bind

Which base part is taken for displaying element as per absolute position ?

Answer:

- 1) Relative to original position
- 2) Relative to browser window
- 3) relative to the nearest ancestor
- 4) none of the above

How we can indicate to the browser about the encoding to be used in the page

Answer:

- 1) Using charset element in the page header.
- 2) Using meta element with charset attribute in the page header
- 3) Using content element with encoding attribute in the page header
- 4) None of Above

Which of the following operator checks value as well as the type of the variable ?

Answer:

- 1) =
- 2) ==
- 3) ===

What will be the output

```
<div id="section1">
  <input type="text" id="price">
  <button id="submit">Submit</button>
</div>

<script>
document.getElementById("submit").addEventListener("click",function(){
  console.log("Button Handler");
},false)
document.getElementById("price").addEventListener("click",function(){
  console.log("input Handler");
},false)
document.getElementById("section1").addEventListener("click",function(){
  console.log("div Handler");
},false)
</script>
```

Answer:

Button handler
Div Handler