

What will the function of the following code?

(126,152,167,194,242)

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

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 variable
- 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 assigned 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 recieved
- 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 Event Handler 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 (max-width: 480px) {}**
- 2) @screen only media and (max-width: 480px) {}
- 3) @responsive only screen 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**
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
- 5) 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: transform(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 create a local variable which can be accessed only within that scope
- 2) when you declcare a variable with var within a function scope it creates a global variable which can be accessed from anywhere
- 3) when you declare a vairable 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 occurred 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) onreadystatechange
- 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 Queries
- 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 id 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 chnage 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 positon 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,inclduing 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(I){
        this.location=I;
    }
};

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