**Candidate Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Experience in years : \_\_\_\_\_\_\_**

1. The \_\_\_\_\_\_\_\_\_\_\_\_ below value of vertical-align property would align a span element inside div centered vertically (div has display value as table-cell)
   1. middle
   2. center
   3. text-middle
   4. Both B and C above
2. What is CSS float?
   1. allows other element to wrap around an element
   2. element can be pushed to the left or right
   3. element can be pushed to any direction
   4. none of the above
3. Write a JS Code to count precisely 60 seconds using setTimeout / setInterval

1. What is the default value of position property in css ?
   * 1. Fixed
     2. Static
     3. Relative
     4. Absolute
2. The overflow property in CSS can take one of the following values.  
   i) visible  
    ii) hidden   
   iii) scroll   
   iv) non-scroll   
   v) auto  
   **Answer**  
   A) i, ii, iii and iv only  
   B) i, ii, iii and v only  
   C) i, ii, iv and v only  
   D) All i, ii, iii, iv and v
3. function Foo ()

{  
 b = 5;

var a=b=6;  
 var b= 10;  
}();  
console.log (a);  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Statement A:** Div is a block element

**Statement B:** Span is not an inline element

* 1. Both A & B are correct
  2. Neither A or B is correct
  3. A is correct but B is wrong
  4. A is wrong but B is correct

1. Draw CSS 3 Box Model
2. **for (var i = 0; i < 5; i++) {**

**setTimeout(function() { console.log(i); }, i \* 1000 );**

**}**  
**What will be the output of above question ?**

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1. **What is the output of following three statements**  
   console.log (null == undefined);  
   console.log(null === undefined);  
   console.log( [0,-1].indexOf(1) );

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1. Which of the following are recommended as best practice to speeding performance of website?
   1. Put stylesheets at the top
   2. Put Java scripts at the top
   3. Put stylesheets at the bottom and Java scripts at the top
   4. Put java scripts at the bottom and style sheets at the top
2. What is output of following code  
   var name = [ "john" ];  
   name.unshift( "charlie" );  
   name.unshift( "joseph", "Jane" );  
   console.log(name);  
     
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What will be output of following code

(function(){ var a = b = 3; })();

console.log("a defined? " + (typeof a !== 'undefined'));

console.log("b defined? " + (typeof b !== 'undefined'));  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which one of following is true
   1. JSONP (JSON with padding) is used to request data from a server residing in a different domain than the client.
   2. CDN is Content Delivery Network, that delivers static web content to users based on geographic location of users, the origin of the webpage and the content delivery server
   3. Both of the above
   4. None of the above
2. What is output of following

var myarray = ["apple ", "banana ", "mango ",”guava”];   
console.log(myarray.shift());  
console.log(myarray);  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is output of following

var arr1 = "john".split('');

var arr2 = arr1.reverse();

var arr3 = "jones".split('');

arr2.push(arr3);

console.log("array 1: length=" + arr1.length + " last=" + arr1.slice(-1));

console.log("array 2: length=" + arr2.length + " last=" + arr2.slice(-1));

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What is output

console.log(1 + "2" + "2");

console.log(1 + +"2" + "2");

console.log(1 + -"1" + "2");

console.log(+"1" + "1" + "2");

console.log( "A" - "B" + "2");

console.log( "A" - "B" + 2);

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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1. Graphics defined by SVG is in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_format.
   1. HTML
   2. XML
   3. XHTML
   4. DTD
2. Web worker can access the data stored in the global scope viz. window object.
3. Yes
4. No
5. CORS and JSONP are mechanisms to request the restricted data like fonts, JavaScript etc
   1. From other domain
   2. From same domain
   3. Both (1) & (2)
   4. None of the above
6. A value stored in browser’s sessionStorage is accessible across various different tabs
   * 1. True
   1. False
7. What are the New Media Elements in HTML5?
8. <audio>
9. <embed>
10. <video>
11. <source>
12. <track>
13. <img>

Answer  
 a. (a), (c),(d), (e)  
 b. (a), (b), (c), (e)  
 c. (a), (b), (d), (e)  
 d. All of them

1. var x =5 ;  
   function foo()  
   {  
    if (typeof(x) === undefined) {  
    var x = 10;  
    console.log(x);  
    }  
    console.log(x);

}  
 foo();  
console.log(x);  
**Answer** The above code will display

* 1. 5 5 5
  2. 10 10 10
  3. 10 5 5
  4. 10 10 5

1. var x = 5;  
   console.log (x == “5”);  
   The above code will display
   1. True
   2. False
2. I) Using factory method, we first define a factory and then assign method to it.

II) Services are singleton objects which are instantiated only once in app

* 1. Both (I) & (II) are true
  2. Both (I) & (II) are false
  3. (I) is true, (II) is false
  4. (I) is false, (II) is true
  5. None of the above

1. Which of the following is true about $error?
   1. $error states that form has invalid data.
   2. $error states the exact error.
   3. Both of the above.
   4. None of the above.

1. What is deep linking in AngularJS
   1. Deep linking allows you to encode the state of application in the URL so that it can be bookmarked.
   2. Deep linking is a SEO based technique.
   3. Deep linking refers to linking various views to a central page.
   4. None of the above.
2. I) . $http service is used to make an Ajax call to server.  
   II). Child controller inherits the scope of its parent controller.
   1. Both (I) & (II) are true
   2. Both (I) & (II) are false
   3. (I) is true, (II) is false
   4. (I) is false, (II) is true
   5. None of the above
3. Which components can be injected as a dependency in AngularJS?
   1. value
   2. factory
   3. service
   4. Application Module
   5. All of the above.
4. Which of the following is true about $routeProvider?
   1. $routeProvider is the key service which set the configuration of urls.
   2. $routeProvider maps Urls with the corresponding html page or ng-template.
   3. $routeProvider attaches a controller with the view.
   4. All of the above.
5. var x = function() {}  
   var a = new function(){}  
   var y = null;  
   var z = undefined  
     
   What is the output of the following functions?
   1. typeof(x)
   2. typeof(a)
   3. typeof(y)
   4. typeof(z)
6. What will be the output of console.log statements?

(function() {

console.log(abc);  
console.log(xyz);

foo();

function foo() {

console.log(“Hello Sears”);

}

var abc = 1;

xyz = 2;   
})();

1. Var fullname = “Some Name”;  
   var obj = {  
    fullname: “SomeOther Name”,  
    prop: {  
    fullname: “Some Really Other Name”,  
    getFullName: function() {  
    return this.fullname;  
    }  
    }  
   };  
     
   console.log(obj.prop.getFullName());  
   var test = obj.prop.getFullName;  
   console.log(test());
2. Based on the question above, what will be the output of console.log(test.call(obj.prop));
3. What is the output of console.log(this) in the browser console window??
4. Write a function to print following array in sorted order along with currency sign.  
   var Price = [ 100, 500, 200, -100, 300]  
   Write it using AngularJS. Incase you don’t know AngularJS, use Javascript but don’t use inbuild sort function of javascript.

1. Write following programs using JavaScript
   1. How would you write a method on instance of a date, which will give you next day? For e.g. sample usage as below

var x = new date();

x.nextDay();

* 1. Write a program to declare a class ‘customer’ with three properties ‘id’, ‘name’ and ‘age’. ‘ Id has to be a private variable and rest are public. Also, class should provide getter / setter function for public properties.

1. Write a JavaScript code to calculate n factorial
2. Write JS code that does the following:
   1. Creates a base/constructor class called human with following properties: hair color, eye color, jaw type and the following methods: breathing, eating
   2. Creates a new object called ‘athlete’ that inherits from ‘human’ and adds a method called – ‘run’
3. Write custom directive - CompanyName. The directive will have static text “ Sears Holding Corporation”  
     
     
     
     
     
     
     
     
     
     
     
     
    Now, use this directive as: an attribute, a class, an element. What modification you would make to the Directive attributes to allow this.

|  |  |
| --- | --- |
| Use as an attribute<write usage here> : | What modification would be required to directive defined above? |
| Use as a class <write usage here> : | What modification would be required to directive defined above? |
| Use as an element <write usage here> : | What modification would be required to directive defined above? |

What changes you would make to above directive to create isolated scope.