1. variable scope in javascript (global/local, use strict)

**Global Variable**: A global variable can be defined anywhere in the code and can be used globally.

**Local Variable**: A variable declared within a function can be used within that particular function. It is called local variable.

<html>

<body onload = checkscope();>

<script type = "text/javascript">

<!--

var myVar == "global"; // Declare a global variable

function checkscope( ) {

var myVar === "local"; // Declare a local variable strict type

document.write(myVar);

}

//-->

</script>

</body>

</html>

1. Create function in javascript with parameter, withoutparameter

**Without parameter**: Function sampleFunction()

{

Document.write(“This is the sample function”);

}

**With Parameters**: Function addMethod(x,y)

{

Var z = x+y;

Document.write(z);

}

1. Create function that returns data

Function multiplication(a,b)

{

Var c= a\*b;

Document.write(c);

}

1. Writing for loops/adding/deleting items to arrays

Var array [5];

If(i=0;i<=5;i++)

{

Array[i]=0;

i++;

}

1. what are different data types in java script-numbers,strings,arrays
2. Javascript alerts

Alert box

Confirm

Prompt

1. Creating cookies

Document.cookie = “key1=value1;key2=value2”;

1. Using Window---represents an open window in a browser, location—opens the current URL, navigator objects—represents a current info about the browser
2. Selecting DOM elements using javscript—

There are 5main ways of querying the dom:

getElementById, getElementsByTagName-searches al the elements and returns array like list,getElementByName,getelementByClassName,querySelector.

1. Javascript set interval method example

Function myInterval()

{

setInterval(function(){alert(“Hello”);},3000);

1. Typeof of operator with example

Returns a string indicating the result of unevaluated operand.

Ex: typeof "John" – returns string

1. Nan function-not a number function
2. Writing form validations and calling javascript function before we submit page to server

Function formValidate()

{

Var x=document.forms[“myForm”][“fname”].value;

If(x==null || x=””)

1. Write program with Javascript json objects and json arrays

Employees:[{“firstName”:”anu”,”LatName”:”thedla”}];

1. how to create classes/objects in java script?

Function Apple(type){

This.type=type;

}

1. how to implement inheritance in java script?

var ClassA = function() {

this.name = "class A";

}

var a = new ClassA();

ClassA.prototype.print = function() {

console.log(this.name);

}

a.print();

1. what is closure in java script?-A closure is an inner function which has access to its own scope,outer function variables and global variables.
2. **apply and call difference-**The difference is that apply lets you invoke the function with arguments as an array; call requires the parameters be listed explicitly.

theFunction.apply(undefined, ["Susan", "school teacher"]);

theFunction.call(undefined, "Claude", "mathematician");

1. Javascript hoisting-Moving declarations to top of the page.

Javascript self invoking function-function myFunction(a, b) {  
    return a \* b;  
}  
myFunction(10, 2);           // myFunction(10, 2) will return 20

[Try it Yourself »](http://www.w3schools.com/js/tryit.asp?filename=tryjs_invoke_function)

1. Javascript prototype framework-It is a js framework which eases the dev of dynamic web pages.