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**JavaScript Assignment - 3**

1.What is a sparse array?

An array in which most of the elements have the same value

When the array has more occurrence of zero elements

A sparse array is an array of data in which many elements have a value of zero.

This is in contrast to a dense array, where most of the elements have non-zero values or are “full” of numbers.

2.List of javascript keywords

Following the list of javascript keyword

goto, deleted,protected,delete,arguement,public,if,try,do,else,this,const,

class\*,return,id,Ctach,break,null,switch,private,case,default,void,false,

interface,package,typeof,instanceof,implements,with,import

3.Different operators in javascript?

following are some operators in javascript

==:checks the content: ===:checks data type as well as contents;

+:adds and concates; typeof:returns the data type of speecific variable

=:assignment operator;%:gives remainder;

++increment --decrement /division

+= shorthand operator,adds and asigns value

-= substracts and assigns

Operator Description

== equal to

=== equal value and equal type

!= not equal

!== not equal value or not equal type

> greater than

< less than

>= greater than or equal to

<= less than or equal to

? ternary operator

4.Difference between == and ===

==:checks the content: ===:checks data type as well as contents;

foloowing is the example

var a=10;

function comparing(b)

{

if(a==b)

{

console.log(a)

}

else{

console,log("unmatched contents")

}

}

function nextComparing(z)

{

if(a===z)

{

console.log(a);

}

else{

console.log("Unmatched DataType and contents")

}

}

comparing(10)

nextComparing("10")

VM939:5 10

VM939:18 Unmatched DataType and contents

5.Explain typeof operator in javscript?

var a=10;

var b=[10,20,30,40]

var c

var d=null;

var e="hello champ!"

typeof(a);//Number

typeof(b);//Object

typeof(c);//undefined

typeof(d);//object

typeof(e)//String

6.Explain for loop in javascript ?

var b=[10,20,30,40]

for(var i in b)

{

console.log(i+"="+b[i])

}

VM1386:4 0=10

VM1386:4 1=20

VM1386:4 2=30

VM1386:4 3=40

7.Explain date methods in javascript?

var a= new Date();

console.log(a)

VM1511:2 Sun Jan 10 2021 18:24:38 GMT+0530 (India Standard Time)

b=a.getMonth()

console.log(b)

VM1595:2 //0

c=a.getDate()

console.log(c)

VM1671:2 //10

d=a.getFullYear()

console.log(d)

VM1755:2 //2021

e=a.getUTCDate()

console.log(e)

VM1844:2 //10

f=a.getYear()

console.log(f)

VM1940:2 //121

g=a.getUTCFullYear()

console.log(g)

VM2085:2 //2021

write a suitable example to illustrate jquery

<script src="jqueri.js"></script>

<script>

$(document).ready(function(){

$("pre").css("color","blue")

$("pre").css("border","2px solid red")

$("pre").css("background","white")

})

$(document).ready(function(){

$("pre").click(function(){

$("pre").css("background","navy")

let a=$("pre").html()

console.log(a)

})

})

$(document).ready(function(){

$("#b1").mouseenter(function(){

$("#b1").css("color","black")

})

})

$(document).ready(function(){

$("#b1").mouseleave(function(){

$("#b1").css("color","")

})

})

$(document).ready(function(){

$("body").keypress(function(){

$("body").css("background-color","white")

})

})

$(document).ready(function(){

$("body").keyup(function(){

$("body").css("background-color","red")

})

})

// $(document).ready(function(){

// $(window).scroll(function(){

// alert("you scrolled")

// })

// })

</script>

Get fname using javascript

<!DOCTYPE html>

<html>

<body>

First Name: <input name="fname" type="text" value="Michael"><br>

First Name: <input name="fname" type="text" value="Doug">

<p>Click the button to get the tag name of the first element in the document that has a name attribute with the value "fname".</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction() {

var x = document.getElementsByName("fname")[0].tagName;

document.getElementById("demo").innerHTML = x;

}

</script>

</body>

</html>