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1.Create a JavaScript function which takes two value from the input field and return true if any one number is 100.

function test100(x, y)

{

return ((x == 100 || y == 100) || (x + y == 100));

}

console.log(test100(100, 100))

console.log(test100(100, 100))

console.log(test100(20, 20))

console.log(test100(20, 30))

Sample Output:

true

true

false

false

2.Write a JavaScript program to replace the character from the given string with another alphabet for example

str = “ This is my program of java script “ replace the “ t “ character with “o” character.

// Function to replace all occurrences

// of character c1 with character c2

function replaceCharacter(str,c1, c2)

{

// Base Case

// If the string is empty

if (str.length == 1)

{

return str;

}

var x=str.charAt(0);

// If the character at starting

// of the given string is equal

// to c1, replace it with c2

if (str.charAt(0) == c1)

{

x=c2;

str = c2+str.substring(1);

}

// Getting the answer from recursion

// for the smaller problem

return x+replaceCharacter(str.substring(1),

c1, c2);

}

// Driver Code

//Given string

var str = "abacd";

var c1 = 'a';

var c2 = 'x';

// Function call

document.write(replaceCharacter(str, c1, c2));

Output

Xbxcd

3.Create a form with 2 text box, input and output. The text entered in lowercase in the input text box must be converted to uppercase and displayed in the output textbox

// Declare a variable and initialize it

// Gloabal variable declaration

var Name = "Apple";

// Function definition

function MyFunction() {

// Local variable declaration

var num = 45;

// Display the value of Gloabal variable

document.writeln(Name);

// Display the value of local variable

document.writeln("<br>" + num);

}

// Function call

MyFunction();

4.Create a form that accepts valid phone number.

function phonenumber(inputtxt)

{

var phoneno = /^\d{10}$/;

if(inputtxt.value.match(phoneno))

{

return true;

}

else

{

alert("Not a valid Phone Number");

return false;

}

}

5.Create a function to display the current date.

To insert the current date and time, press Ctrl+; (semi-colon), then press Space, and then press Ctrl+Shift+; (semi-colon).

const date = new Date();

// get the date as a string

const n = date.toDateString();

// get the time as a string

const time = date.toLocaleTimeString();

// display date

console.log('Date: ' + n);

// display time

console.log('Time: ' + time);

6.Create a Registration page with username, password, and conform Password. Ensure the register button disabled until the user has entered valid data into all the input fields.

function userid\_validation(uid,mx,my)

{

var uid\_len = uid.value.length;

if (uid\_len == 0 || uid\_len >= my || uid\_len < mx)

{

alert("User Id should not be empty / length be between "+mx+" to "+my);

uid.focus();

return false;

}

return true;

}

7. Write a JavaScript statement that displays a message in the status bar welcoming visitors to your web page

<a

href="/javascript/javascript\_status\_bar\_messages.cfm" onMouseover="JavaScript:window.status='Status Bar Message goes here'; return true" onMouseout="JavaScript:window.status=''; return true">Hover over me!</a>

8.Given an array check the email address is valid are not ( true or false)

Const employee = [{

“name” : “Kishore”,

“email” : “Shailaja.cp” },

{“name” : “Jayashree” ,

“email”:”Jayashree.r@gmail.com”}

function ValidateEmail(inputText)

{

var mailformat = Jayashree.r@gmail.com;

if(inputText.value.match(mailformat))

{

alert("Valid email address!");

document.form1.text1.focus();

return true;

}

else

{

alert("You have entered an invalid email address!");

document.form1.text1.focus();

return false;

}

}

9.With given array of data create a table and display the values into it when the createTable button is clicked.

<SCRIPT LANGUAGE="JavaScript">

<!-- Begin

function doMath() {

int = "2000"

var one = eval(int)

var two = eval(document.theForm.elements[0].value)

var prod = one \* two

document.getElementById("showsum").innerHTML = ( prod );

}

// End -->

</SCRIPT>

10.Create an HTML document that displays an alert dialog box immediately after the page loads & displays (“finished loading “). Displays a different alert dialog box when the user clicks on a form button. (‘Clicked on the button’)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="viewport"

content="width=device-width, initial-scale=1.0" />

<meta http-equiv="X-UA-Compatible" content="ie=edge" />

<title>Loader Demo</title>

<style>

#loader {

border: 12px solid #f3f3f3;

border-radius: 50%;

border-top: 12px solid #444444;

width: 70px;

height: 70px;

animation: spin 1s linear infinite;

}

@keyframes spin {

100% {

transform: rotate(360deg);

}

}

.center {

position: absolute;

top: 0;

bottom: 0;

left: 0;

right: 0;

margin: auto;

}

</style>

</head>

<body>

<div id="loader" class="center"></div>

<h1>GeeksforGeeks</h1>

<h2>A computer science portal for geeks</h2>

<img src="https://i.imgur.com/KsQJA8I.png"

alt="GeeksforGeeks logo" />

<script>

document.onreadystatechange = function() {

if (document.readyState !== "complete") {

document.querySelector(

"body").style.visibility = "hidden";

document.querySelector(

"#loader").style.visibility = "visible";

} else {

document.querySelector(

"#loader").style.display = "none";

document.querySelector(

"body").style.visibility = "visible";

}

};

</script>

</body>

</html>