**JavaScript Exercises**

1. Write a javascript program to show date and time in this format: 2020-08-20 10:12:30

<!DOCTYPE html>

<html>

<head>

<title>Show date and time</title>

</head>

<body onload="startTime()">

<h1>Show date and time</h1>

<p id="p1"></p>

<script>

var today = new Date()

var date = today.getFullYear() + '-' + today.getMonth() + '-' + today.getDate();

var time = today.getHours() + ':' + today.getMinutes() + '-' + today.getSeconds();

var dateTime = date + ' ' + time;

document.getElementById("p1").innerHTML = dateTime;

</script>

</body>

</html>

1. WAP in show javascript events for the following:
   1. Change the Text on <H1> when you click on that <H1> element. (Hint: use **innerHTML** property to set your text)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Exercise 2</title>

<script>

function change(){

document.getElementById('changeHere').innerHTML="Your text is changed now.";

}

</script>

</head>

<body>

<h1 id="changeHere" onclick="change()">Click here to change the text</h1>

</body>

</html>

* 1. When you click on the button, display date and time.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Exercise</title>

<script>

function displayTime(){

alert(Date());

}

</script>

</head>

<body>

<h1>Display Time</h1>

<p><button onclick="displayTime()">Click here to display Time.</button></p>

</body>

</html>

1. Write a Javascript program to create function and call them in mouse events:
   1. Create mOver() function to show Thank You Text in the innerHTML of div element, and call this function on onmouseover event
   2. Create mOut() function to show Mouse Over Me Text in the innerHTML of div element, and call this function on onmouseout event.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Exercise 3</title>

<script>

function over(){

document.getElementById('here').innerHTML="You mouse is over the text.";

}

function out(){

document.getElementById('here').innerHTML="Thank you "

}

</script>

</head>

<body>

<div id="here" onmouseover="over()" onmouseout="out()">Point here to change the text</div>

</body>

</html>

1. Write a JavaScript program to change the background color of a paragraph.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Exercise 4</title>

<style>

</style>

<script>

function change(){

document.getElementById('this').style.backgroundColor="red";

}

</script>

</head>

<body>

<button onclick="change()">Click here to change the color</button>

<p id="this">Lorem ipsum dolor sit amet consectetur adipisicing elit. Harum dolore laboriosam architecto iste. Officiis, nihil ipsam omnis ipsa dolor nemo quisquam commodi et. Nihil quae ipsam iusto nobis deleniti. Ratione exercitationem modi iste debitis facilis quasi? Facilis voluptatum adipisci repellat, aliquam alias eum ex optio.</p>

</body>

</html>

1. Write a JavaScript program to validate following.
   1. Check whether a given value type entered in text box is NaN or not.
   2. Check whether two inputs entered in password and confirm password text fields are same or not.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Exercise 5b</title>

<script>

function check(){

pass=prompt('Enter the password')

rePass=prompt('Re-Enter the password')

if(pass==rePass){

alert("Both you password are same");

}

else

alert("The passwords entered are not same.")

}

</script>

</head>

<body>

<button onclick="check()">Click here to Enter the password</button>

</body>

</html>