Assignment 1 : Write a program to Embed JavaScript into HTML

Program 1 :

<html>

<head>

<title> page title</title>

<script>

document.write(“Welcome to JavaScript”);

</script>

</head>

<body>

Hello Friends

</body>

</html>

Program 2 :

<html>

<head>

<title> page title </title>

</head>

<body>

<script>

document.write(“Welcome to JavaScript );

</script>

Hello Friends

</body>

</html>

Assignment 2 : Write a JavaScript code to Demonstrate Conditional Statements.

Program 1 :If statement

<html>

<body>

<script>

var a=20;

if(a>10)

{

document.write(“value of a is Greater than 10”);

}

</script>

</body>

</html>

Program 2 :If Else Statement

<html>

<body>

<script >

var result;

result=prompt(“enter the number”);

result=35;

if(result>=35)

{

document.write(“Pass”);

}

else

{

document.write(“Fail”);

}

</script>

</body>

</html>

Program 3:Switch Statement

<html>

<head><title>Switch case</title></head>

<body>

<script>

var day;

day=parseInt(prompt(“enter number of day”));

switch(day)

{

case 1:

document.write(“Monday”);

break;

case 2:

document.write(“Tuesday”);

break;

case 3:

document.write(“Wednesday”);

break;

case 4:

document.write(“Thursday”);

break;

case 5:

document.write(“Friday”);

break;

case 6:

document.write(“Saturday”);

break;

case 7:

document.write(“Sunday”);

break;

default:

document.write(“invalid day”)

break;

}

</script>

</body>

</html>

Assignment 3 : Write a JavaScript code to Demonstrate Looping Statements..

While …. Loop Program :

<HTML>

<head>

<title>JavaScript While Loop</title>

</head>

<body>

<script>

var I = 1;

while(I <= 5)

{

document.write(“ number is “ + I );

i++;

}

</script>

</body>

</html>

Do… while …. Loop Program :

<html>

<head>

<title>JavaScript Do-While Loop</title>

</head>

<body>

<script>

var I = 1;

do {

document.write(“ number is “ + I );

i++;

}

while(I <= 5);

</script>

</body>

</html>

For…. Loop Program :

<html>

<body>

<script>

for (i=1; i<=5; i++)

{

document.write(I + “<br/>”)

}

</script>

</body>

</html>

Assignment 4 – Write JavaScript code to Demonstrate different string functions.

<html>

<head>

<title>JS String Function</title>

<script>

var s1=”Javascript toUpperCase Example”;

var s2=s1.toUpperCase();

document.write(s2+”<br>” );

var s1=”Javascript toLowerCase Example”;

var s2=s1.toLowerCase();

document.write(s2+”<br>”);

var str=”Javascript”;

document.write(“Element at Position 2 is : “ + Str.charAt(2)+”<br>”);

var a=”welcome to “;

var b=”Javascript”;

var c=a.concat(b);

document.write(c+”<br>”);

var s1=” Hello..Welcome to JS “;

var s2=s1.trim();

document.write(s2+”<br>”);

var a=”abcdef”;

var b=a.slice(2,5);

document.write(b+”<br>”);

var s1=”Javascript IndexOf”;

var s2=s1.indexOf(“a”);

document.write(s2+”<br>”);

var s1=”Javascript LastIndexOf”;

var s2=s1.lastIndexOf(“a”);

document.write(s2+”<br>”);

</script>

</head>

<body> </body>

</html>

5: Write JavaScript code to demonstrate Onblur, onfocus, onload, onsubmit.

Onblur and onfocus:-

<html>

<body>

Enter your name:

<input type=”text” id=”myInput”

Onfocus=”focusFunction()”

Onblur=”blurFunction()”>

<script>

function focusFunction()

{

// Focus = Changes the background color of Input to yellow

document.getElementById(“myInput”).style.baCkground = “yellow”;

}

function blurFunction()

{

// No focus = Changes the background color Of input to red

document.getElementById(“myInput”).style.baCkground = “purple”;

}

</script>

</body>

</html>

Onload event:-

<html>

<body onload=”myFunction()”>

<h1>Hello World!</h1>

<script>

function myFunction()

{

alert(“Page is loaded”);

}

</script>

</body>

</html>

Onsubmit event:-

<html>

<body>

<form onsubmit=”myFunction()”>

Enter name: <input type=”text” Name=”fname”>

<input type=”submit” value=”Submit”>

</form>

<script>

function myFunction()

{

alert(“The form was submitted”);

}

</script>

</body>

</html>

Assignment 6 – Write JavaScript code to demonstrate different events.

<html>

<script>

function bca1()

{

document.bgColor="yellow";

}

function bca2()

{

document.bgColor="red";

}

function bca3()

{

document.bgColor="orange";

}

function bca4()

{

document.bgColor="pink";

}

function bca5()

{

document.bgColor="blue";

}

</script>

<body>

<form name="f1">

<input type="button" value="click me" onClick="bca1()">

<input type="button" value="show" onMouseOver="bca2()">

<input type="button" value="result" onMouseOut="bca3()">

<input type="button" value="hello" onMouseMove="bca4()">

<input type="button" value="hello friends" onBlur="bca5()">

</form>

</body>

</html>

Assignment 7 – Write JavaScript Code to Perform addition of two number using web Form

<html>

<head>

<script>

function fun1()

{

var a=parseInt(document.getElementById(“txt1”).value);

var b=parseInt(document.getElementById(“txt2”).value);

var c=a+b;

document.getElementById(“answer”).value=c;

alert(c);

}

</script>

</head>

<body>

Enter First Value <input id=”txt1” /> <br>

Enter Second Value <input id=”txt2” /> <br>

<button onclick=”fun1()”> calculate

</button>

<input id=”answer”>

</body>

</html>

Assignment 8 – Create a HTML page to Demonstrate Date & Time object using JavaScript

<html>

<body>

Current Date and Time: <span Id=”txt”></span>

<script>

var today=new Date();

document.getElementById(‘txt’).innerHTML=today;

</script>

</body>

</html>

Assignment 9 – Write JavaScript Code to Demonstrate use of Dialog Boxes (Alert, Confirm, and Prompt)

Alert –

<html>

<body>

<script>

alert(“This is a alert box”);

</script>

</body>

</html>

Prompt dialog Program –

<html>

<body>

<script type=”text/javascript”>

var a = parseInt(window.prompt(“enter The number”));

var b= parseInt(window.prompt(“enter The second number”));

c=a+b;

alert(c);

</script>

</body>

</html>

Confirm dialog Program –

<html>

<body>

<script type=”text/javascript”>

function test()

{

var a = window.confirm(“Your choice?”);

if(a)

{

alert(“Yes”);

}

else

{

alert(“No”);

}

}

</script>

<form name =”f1” >

<input type =”button” value=”Click me” onClick=”test()”>

</form>

</body>

</html>

Assignment 10: Write a JavaScript to apply Form validation – not null, number, string Etc.

//String Validation Program

<html>

<head>

<title>Form Validation</title>

<script>

function validateform()

{

var Name=document.getElementById(‘n1’).value;

if(!isNaN(name))

{

alert(“Name field contains Characters only”);

} }

</script>

</head>

<body>

<form name=”myform” onsubmit=”validateform()”>

<center>

Enter the Name: <input type=”text” id=”n1” Name=”n1”>

<input type=”submit” value=”Submit”>

</center>

</form>

</body>

</html>

//Number Validation Program

<html>

<head>

<title>Form Validation</title>

<script>

function validateform()

{

var Name=document.getElementById(‘n1’).value;

if(isNaN(name))

{

alert(“Enter Digits only”);

} }

</script>

</head>

<body>

<form name=”myform” onsubmit=”validateform()”>

<center>

Mobile Number: <input type=”text” id=”n1” Name=”n1”>

<input type=”submit” value=”Submit”>

</center>

</form>

</body>

</html>

//not null validation Program

<html>

<head>

<title>Form Validation</title>

<script>

function validateform()

{

var Name=document.getElementById(‘n1’).value;

if(name==null || name==””)

{

alert(“Name field should not be blank”);

} }

</script>

</head>

<body>

<form name=”myform” onsubmit=”validateform()”>

<center>

Name: <input type=”text” id=”n1” name=”n1”>

<input type=”submit” value=”Submit”>

</center>

</form>

</body>

</html>