6. Create a HTML5 form that interacts with the user. Collect first name, last name and date of birth and display that information back to the user.

<!doctype>

<html>

<head>

<title>Display User Details</title>

<script>

function display()

{

let fname,lname,dob;

fname= document.getElementById('fname').value;

lname= document.getElementById('lname').value;

dob =document.getElementById('dob').value;\*/

document.writeln(fname);

document.writeln(lname);

document.writeln(dob);

}

</script>

</head>

<body>

<form onsubmit="display()">

<table>

<tr>

<th>FirstName</th>

<td><input type="text" id="fname" /></td>

</td>

</tr>

<tr>

<th>LastName</th>

<td><input type="text" id="lname" /></td>

</td>

</tr>

<tr>

<th>Date of Birth</th>

<td><input type="date" id="dob" /></td>

</td>

</tr>

<tr>

<td><input type="submit" value="Submit" /></td>

<td><input type="reset" value="Clear" /></td>

</td>

</tr>

</table>

</form>

</body>

</html>

7. Develop a HTML5 Form, which accepts any Mathematical expression. Write JavaScript code to evaluate the expression and Displays the result.

<html>

<head>

<title>Mathematical Expression</title>

<script type = "text/javascript">

function math\_exp()

{

var x = document.form1.exptext.value;

var result = eval(x);

document.form1.resulttext.value = result;

}

</script>

</head>

<body >

<form name = "form1">

<table>

<tr>

<td>Expression</td>

<td><input type = "text" name = "exptext" /></td>

</tr>

<tr>

<td>Result</td>

<td><input type = "text" name = "resulttext" /></td>

</tr>

<tr>

<td><input type = "button" value = "calculate" onclick = "math\_exp()" /></td>

</tr>

</table>

</form>

</body>

</html>

8. Create a HTML5 form that has number of Textboxes. When the form runs in the Browser fill the textboxes with data. Write JavaScript code that verifies that all textboxes has been filled. If a textboxes has been left empty, popup an alert indicating which textbox has been left empty.

<html>

<head>

<title>Registration Form</title>

<script type = "text/javascript">

function validate()

{

if(document.myForm.Name.value == "")

{

alert("Please Provide Your Name");

document.myForm.Name.focus();

return false;

}

if(document.myForm.Email.value == "")

{

alert("Please Provide Your Email ID");

document.myForm.Email.focus();

return false;

}

if ((document.myForm.Zip.value == "")||(document.myForm.Zip.value.length != 5))

{

alert("Please Provide a valid zip code format #####");

document.myForm.Zip.focus();

return false;

}

if(document.myForm.Country.value == "-1")

{

alert("Please Provide Your Country Name");

return false;

}

return true;

}

function validateEmail()

{

var emailID = document.myForm.Email.value;

atpos = emailID.indexOf("@");

dotpos = emailID.lastIndexOf(".");

if(atpos < 1 || (dotpos - atpos < 2))

{

alert("Please Enter Correct Email ID");

document.myForm.Email.focus();

return false;

}

return true;

}

</script>

</head>

<body >

<form name = "myForm" onsubmit = "return(validate());" >

<table cellspacing = "2" cellpadding = "2" border = "1">

<tr>

<td>Name</td>

<td><input type = "text" name = "Name" /></td>

</tr>

<tr>

<td>Email ID</td>

<td><input type = "text" name = "Email" onchange = "validateEmail();"/></td>

</tr>

<tr>

<td>Zip Code</td>

<td><input type = "text" name = "Zip" /></td>

</tr>

<tr>

<td>Country</td>

<td><select name = "Country" >

<option value = "-1" selected> [Choose Yours]</option>

<option value = "1" >INDIA</option>

<option value = "2" >USA</option>

<option value = "3" >Srilanka</option>

</select>

</td>

</tr>

<tr>

<td colspan = "2" align = "center"><input type = "submit" value = "Submit" /></td>

</tr>

</table>

</form>

</body>

</html>

13. Write a JavaScript code block using arrays and generate the current date in words, this should include the day, month and year.

<html>

<head>

<title>Displaying the Date in word</title>

</head>

<body>

<script type = "text/javascript">

var d = new Date();

var weekday = new Array("Sunday","Monday","Tuesday","Wednesday","Thursday","Friday","Saturday");

var monthname = new Array("Jan","Feb","Mar","Apr","May","Jun","Jul","Aug","Sep","Oct","Nov","Dec");

document.write(weekday[d.getDay()] + " ");

document.write(d.getDate() + ". ");

document.write(monthname[d.getMonth()] + " ");

document.write(d.getFullYear());;

</script>

</body>

</html>

15.Create a web page using two image files, which switch between one another as the mouse pointer moves over the images. Use the mouseover and mouseut event handlers.

<html>

<head>

<script type = "text/javascript">

function mouseover()

{

document.getElementById("img").src = "Angular.png";

}

function mouseout()

{

document.getElementById("img").src = "React.png";

}

</script>

</head>

<body>

<img src = "React.png" id = "img" width="300" height="300" onmouseover="mouseover()" onmouseout="mouseout()"/>

</body>

</html>

14.Write a program to display a form that accepts student's name, age, father name. When age field receives its focus display message that age should be 18 to 25. After losing its focus from age field verify user entered in between given values or not display respective message

<!doctype html>

<html>

<head>

<title>Age Validation</title>

<script>

function keyUpHandle()

{

alert("Enter age between 18 and 25");

}

function display()

{

var age=parseInt(document.getElementById('age').value);

var name= document.getElementById('name').value;

var fatherName=document.getElementById('father').value;

if(age<18 || age>25)

{

alert('Enter age between 18 and 25');

document.getElementById('age').focus();

}

document.writeln(name+"<br />");

document.writeln(age+"<br />");

document.writeln(fatherName+"<br />");

}

</script>

</head>

<body>

<form onsubmit="display()">

<table>

<tr>

<th>Name</th>

<td><input type="text" id="name" /></td>

</tr>

<tr>

<th>Age</th>

<td><input type="text" id="age" onkeyup="keyUpHandle()" /></td>

</tr>

<tr>

<th>Father name</th>

<td><input type="text" id="father" /></td>

</tr>

<tr>

<td><input type="submit" value="Submit" /></td>

<td><input type="reset" value="Clear" /></td>

</tr>

</table>

</form>

</body>

</html>