**ASSIGNMENT 6**

**JAVASCRIPT**

**Write a javascript for generate Fibonacci series for given input number**

<html>

<head>

<script type="text/javascript" charset="utf-8">

var a = prompt("enter the number: ");

var i = 0;

var j = 1;

for(var x = 0; x<a ; x++){

var y = j + i;

document.write(j+",");

i = j;

j = y;

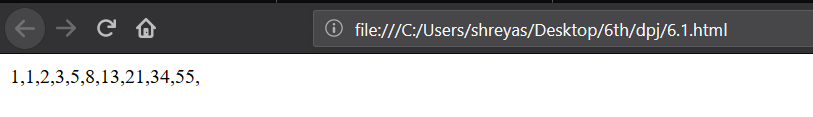
}

</script>

</head>

</html>

**Output**



**Write html and javascript to take input for username, password, birthdate, email, phone number and validate**

1. **Mobile number start with 9 or 8**
2. **Mail address must contain single @**
3. **Password length must be 6 to 12 with minimum one special character**
4. **Username should not start with any number or special character**
5. **All filed are not empty**

<html>

<head>

<script>

function validate(){

//----------------email validation-------------------

var email = document.loginForm.email.value;

var emailpattern =

/^[a-zA-Z0-9][a-zA-Z0-9.\_]+@[a-z A-Z 0-9\_]+\.[a-zA-Z0-9.]+[a-zA-Z0-9]$/;

var reg = new RegExp(emailpattern,"g");

if(reg.test(email) == false )

alert("email is invalid");

//----------------phoneNo validation----------------------

var phno = document.loginForm.phno.value;

var phnopattern = /^[9|8]/;

var reg = new RegExp(phnopattern,"g");

if(reg.test(phno) == false )

alert("phone is invalid");

//-----------------password validate-------------------------

var password = document.loginForm.password.value;

var passwordPattern = /((?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*\W).{6,12})/

var reg = new RegExp(passwordPattern,"g");

if(reg.test(password) == false )

alert("password is invalid");

//---------------------validate username-----------------------

var username = document.loginForm.StuName.value;

var usernamePattern = /^[a-zA-Z]\*$/

var reg = new RegExp(usernamePattern,"g");

if(reg.test(username) == false )

alert("username is invalid");

}

</script>

</head>

<body>

<form name="loginForm">

<table align="center" frame="box" cellpadding="7px">

<tr>

<td><label for="stuname"><font size="3">Username</font></label></td> <td colspan="3"><input size="65" type="text" id="StuName" required="true"/></td>

</tr>

<tr>

<td><label for="password"><font size="3">password</font></label></td> <td colspan="3"> <input size="65" type="password" id="password" required="true"/></td>

</tr>

<tr>

<td><label for="dob"><font size="3">Birthdate</font></label></td> <td colspan="3"><input size="65" type="text" id="dob" required="true"/></td>

</tr>

<tr >

<td><label for="email"><font size="3">E-mail</font></label></td>

<td colspan="3" ><input size="65px" type="text" id=email name ="email" required="true"/> </td>

</tr>

<tr>

<td><label for="phno"><font size="'3">Phone No.</font></label></td>

<td colspan="3" ><input size="65px" type=number id=phno name=phno required="true"/></td>

</tr>

<tr>

<td colspan="2" align="right">

<input type="Submit" name="btnsubmit" value="Submit" onClick = "validate()"/></td>

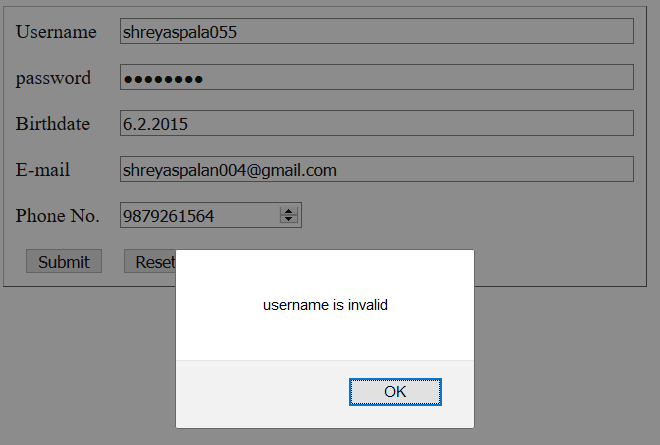
<td colspan="2">

<input type="Reset" name="btnreset" value="Reset"/></td>

</tr>

</table>

</form>

 </body>

</html>

**Write a javascript that use function to calculate how many days are left in your birthday**

<html>

<head>

<script type="text/javascript" charset="utf-8">

var today = new Date();

var dateInput = prompt("Enter your Birthday in dd/mm/yyyy format");

var bdayInput = dateInput.split("/");

var bDay = new Date();

bDay.setDate(bdayInput[0]);

bDay.setMonth(bdayInput[1]-1);

if(today.getMonth() >= bDay.getMonth())

if( today.getDate() > bDay.getDate() )

bDay.setFullYear(today.getFullYear() + 1);

var days=parseInt((bDay - today)/(1000\*24\*3600));

if(days == 0)

document.write("Happy BirthDay !!!!");

else if(days == 1)

document.write("Tomorrow is your BirthDay ....");

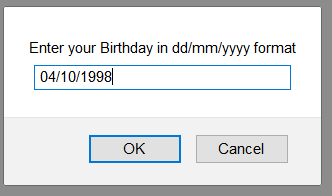
else

document.write(days + ' day(s) left for your next birthday!');

</script>

</head>

</html>





**Write a javascript that use loop to search a word in sentence held in an array return the index of particular word**

<html>

<head>

<script type="text/javascript" charset="utf-8">

var sentence = prompt("Enter any Sentence");

var word = prompt("Enter word from snetence that you wnat to seach");

var j = false;

var arr = sentence.split(" ");

for(var i = 0; i<arr.length ;i++){

if(word==arr[i]){

document.write(word + " is at index: " + i);

document.write("<br/>");

j = true;

}

}

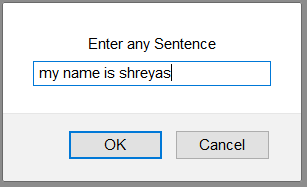
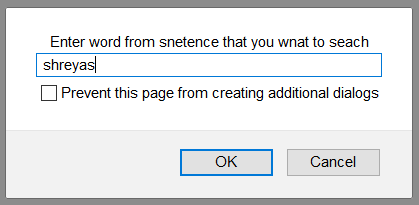
if(!j){

document.write("word not found");

}

</script>

</head>



**Wirte a javascript to print character of string at odd position**

<html>

<head>

</head>

<body>

<script type="text/javascript">

var value = prompt("Enter the string:");

document.write("characters at odd position are:<br/>");

for(var i=0;i<value.length;i+=2){

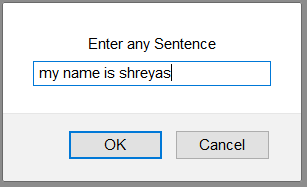
document.write(value.charAt(i));

}

</script>

</body>

</html>





**Write a javascript to take two digit number and separate this two digit then multiply first digit by itself for second digit time**

<html>

<head>

<script>

var number = prompt("enter any two digit number: ");

if(number.length != 2){

document.write("enter valid lenght number");

}

else{

var number1 = parseInt(number.charAt(0));

var number2 = parseInt(number.charAt(1));

var ans = 1;

for(var i=0;i<number2;i++){

ans = ans \* number1 ;

}

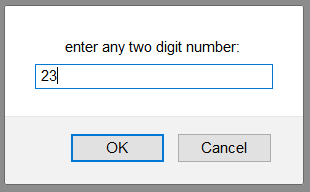
document.write(ans);

}

</script>

</head>

</html>



8

**Write a javascript that find a position of first occurrence of vowel a and last occurrence in given word and return string between that**

<html>

<head>

</head>

<body>

<script>

var userInput = prompt('Enter the word:');

var startIndex= userInput.indexOf('a');

var endIndex= userInput.lastIndexOf('a');

if(startIndex == -1 || endIndex == -1)

document.write("any \'a\' is not found...");

else if( startIndex == endIndex){

document.write('Sub string between first and last occurence of character \'a\' is: <br/>');

for(var i=startIndex+1;i<userInput.length;i++){

document.write(userInput.charAt(i));

}

}

else{

document.write('Sub string between first and last occurence of character \'a\' is: <br/>')

for(var i=startIndex+1;i<endIndex;i++){

document.write(userInput.charAt(i));

}

}

</script>

</body>

</html>

