

Ex:No:3	Form validation for ebook library website using Javascript
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### **Aim :**

To write the javascript program to validate the user input on form submission.

### **Procedure:**

- 1)use javascript function to validate the name,email,date of birth input entered by user in sign up on submit
- 2)use javascript the function to validate the email ,password and confirm password input entered by the user on login page on submit
- 3)check the password and confirm password input are equal on login page on submit using javascript function.

### **Program:**

## **2.login.html**

```
<!DOCTYPE html>
<html>
<head>
    <title>login</title>
    <link rel="stylesheet" href="./register.css">
<script>
    function loginval(){
        var email = document.forms["loginform"]["email"];
        var password=document.forms["loginform"]["password"];
        var cpassword=document.forms["loginform"]["confirm_password"];
        var agree=document.getElementById("Iagree");
```

```
var error_tag= document.getElementsByClassName('error_tag');
var correct_tag=document.getElementsByClassName('correct_tag
');

if(email.value.trim() == ""){
    correct_tag[0].style.display = "none";
    error_tag[0].style.display="block";
    email.focus();
    return false;
}
else {
    error_tag[0].style.display = "none";
    correct_tag[0].style.display="block";
}

if (password.value.trim() == "") {
    correct_tag[1].style.display = "none";
    error_tag[1].style.display = "block";
    password.focus();
    return false;
}
else {
    error_tag[1].style.display = "none";
    correct_tag[1].style.display = "block";
}

if (cpassword.value.trim() == "") {
    correct_tag[2].style.display = "none";
    error_tag[2].style.display = "block";
    cpassword.focus();
    return false;
}
```

```

        if (cpassword.value.trim() !== cpassword.value.trim()) {
            error_tag[2].style.display = "block";
            correct_tag[2].style.display = "none";
            error_tag[2].innerHTML = "password and confirm password does not match";
            return false;
        }
        if(cpassword.value.trim() === cpassword.value.trim()){
            error_tag[2].style.display = "none";
            correct_tag[2].style.display = "block";
        }

        if(agree.checked != true){
            error_tag[3].style.display = "block";
            return false;
        }

        else{
            error_tag[3].style.display = "none";
            correct_tag[3].style.display = "block";
        }

        alert('thanks for signing in');
        return true;
    }
</script>
</head>
<body>
    <div class="form-container" style="margin-top: 15vh;">
        <form name="loginform" method="POST" onsubmit="return loginval()">

```

```

        <h2 style="text-align: center;font-size: 6vh;padding: 2vw 2 vh;">Login</h2>

        <fieldset style="width: 50%;margin: 0 auto;">
            <legend for="email">email :</legend>
            <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="email">
        </fieldset>

        <p class="error_tag">&times; incorrect email !</p>
        <p class="correct_tag">&#10003; correct</p>
        <fieldset style="width: 50%;margin: 0 auto;">
            <legend for="password">password :</legend>
            <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="password">
        </fieldset>

        <p class="error_tag">&times; incorrect password</p>
        <p class="correct_tag">&#10003; correct</p>
        <fieldset style="width: 50%;margin: 0 auto;">
            <legend for="confirm_password">confirm password :</legend>
            <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="confirm_password">
        </fieldset>

        <p class="error_tag">&times; please reconfirm the same password</p>
        <p class="correct_tag">&#10003; correct</p>
        <div style="width: 50%;margin: 0 auto;margin-top:1vw">
            <input type="checkbox" value="agree" id="Iagree">
            <label>I agree</label><br /><br />
            <p class="error_tag support">&times; please agree the terms to continue</p>
            <p class="correct_tag support">&#10003; accepted</p>
            <a href="./signup.html" style="color: rgb(255, 255, 255);font-weight: bold;">Create an account</a><br/><br/>

```

```

        <input type="submit" value="login" class="submit_btn
">

        </div>
    </form>
</div>
</body>

</html>

```

### **3.signup.html**

```

<!DOCTYPE html>

<html>

    <head>

        <title>sign up</title>

        <link rel="stylesheet" href="./register.css">

        <script>

            function signup(){

                var fname = document.forms["signupform"]["first name"];
                var lname = document.forms["signupform"]["last name"];
                var email = document.forms["signupform"]["email"];
                var password = document.forms["signupform"]["password"];
                var phoneno = document.forms["signupform"]["phoneno"];
                var gender = document.getElementsByClassName("gender");
                var dob=document.forms["signupform"]["dob"];

                var agree = document.getElementById("lagree");

```

```
var error_tag = document.getElementsByClassName('error_tag');  
var correct_tag = document.getElementsByClassName('correct_tag');
```

```
if (fname.value.trim() == "") {  
    error_tag[0].style.display = "block";  
    correct_tag[0].style.display = "none";  
    fname.focus();  
    return false;  
}  
if (fname.value.trim().length < 2 || fname.value.trim().length > 25){  
    error_tag[0].style.display = "block";  
    correct_tag[0].style.display = "none";  
    error_tag[0].innerHTML="number of letters allowed [2-25]";  
    fname.focus();  
    return false;  
}  
else {  
    error_tag[0].style.display = "none";  
    correct_tag[0].style.display = "block";  
}
```

```
if (lname.value.trim() == "") {  
    error_tag[1].style.display = "block";  
    correct_tag[1].style.display = "none";  
    lname.focus();  
    return false;  
}  
if (lname.value.trim().length < 2 || lname.value.trim().length > 25) {  
    error_tag[1].style.display = "block";
```

```
correct_tag[1].style.display = "none";
error_tag[1].innerHTML = "number of letters allowed [2-25]";
fname.focus();
return false;
}
else {
    error_tag[1].style.display = "none";
    correct_tag[1].style.display = "block";
}

if (email.value == "") {
    error_tag[2].style.display = "block";
    email.focus();
    return false;
}
else {
    error_tag[2].style.display = "none";
    correct_tag[2].style.display = "block";
}

if (password.value == "") {
    error_tag[3].style.display = "block";
    password.focus();
    return false;
}
else {
    error_tag[3].style.display = "none";
    correct_tag[3].style.display = "block";
}

if (phoneno.value == "") {
```

```

        error_tag[4].style.display = "block";

        //window.alert("Please enter your telephone number.");

        phoneno.focus();

        return false;
    }

    if (isNaN(phoneno.value) || phoneno.value < 1000000000 || phoneno.value > 999
9999999) {

        error_tag[4].style.display = "block";

        //window.alert("Please enter a correct phone number");

        phoneno.focus();

        return false;
    }

    else{

        error_tag[4].style.display = "none";

        correct_tag[4].style.display = "block";

    }

}

    if (gender[0].checked == false && gender[1].checked == false && gender[2].checked == false) {

        error_tag[5].style.display = "block";

        return false;

    }

    else {

        error_tag[5].style.display = "none";

        correct_tag[5].style.display = "block";

    }

}

    if (dob.value == "") {

        error_tag[6].style.display = "block";

        return false;

    }

}

```



```

else {
    error_tag[6].style.display = "none";
    correct_tag[6].style.display = "block";
}

if (agree.checked != true) {
    error_tag[7].style.display = "block";
    return false;
}

else {
    error_tag[7].style.display = "none";
    correct_tag[7].style.display = "block";
}

alert('thanks for registering!');

return true;
}

</script>
</head>

<body>
<div class="form-container" style="margin-top: 15vh;">
    <form name="signupform" method="POST" onsubmit="return signup()">
        <h2 style="text-align: center;font-size: 6vh;padding: 2vw 2vh;">sign up</h2>
        <fieldset style="width: 50%;margin: 0 auto;">
            <legend for="first name">first name :</legend>
            <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="first name" s
tyle="outline: none;">
        </fieldset>
        <p class="error_tag">&times; invalid first name !</p>
        <p class="correct_tag">&#10003; correct</p>

```

```
<fieldset style="width: 50%;margin: 0 auto;">
  <legend for="last name">last name :</legend>
  <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="last name">
</fieldset>
<p class="error_tag">&times; invalid last name !</p>
<p class="correct_tag">&#10003; correct</p>
```

```
<fieldset style="width: 50%;margin: 0 auto;">
  <legend for="email">email :</legend>
  <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="email">
</fieldset>
<p class="error_tag">&times; incorrect email !</p>
<p class="correct_tag">&#10003; correct</p>
```

```
<fieldset style="width: 50%;margin: 0 auto;">
  <legend for="password">password :</legend>
  <input style="width: 89%;padding: 1.5vh 1.5vw;" type="text" name="password"
>
</fieldset>
<p class="error_tag">&times; incorrect password !</p>
<p class="correct_tag">&#10003; correct</p>
```

```
<fieldset style="width: 50%;margin: 0 auto;">
  <legend for="name">phone :</legend>
  <input style="width: 89%;padding: 1.5vh 1.5vw;" type="phone" name="phoneno
">
</fieldset>
<p class="error_tag">&times; incorrect phone number !</p>
```

<p class="correct\_tag">&#10003; correct</p>

<div style="width: 50%;margin: 0 auto;margin-top:1vw">

<fieldset style="width: 100%;margin: 0 auto;margin-left: -1vw;">

<legend>gender</legend>

<input type="radio" name="gender" value="male" class="gender">

<label>male</label>

<input type="radio" name="gender" value="female" class="gender">

<label>female</label>

<input type="radio" name="gender" value="other" class="gender">

<label>other</label>

</fieldset>

<p class="error\_tag support">&times; please select gender !</p>

<p class="correct\_tag support">&#10003; correct</p>

<fieldset style="width: 100%;margin: 0 auto;margin-left: -1vw;">

<legend>Date of Birth</legend>

<input type="date" name="dob">

</fieldset>

<p class="error\_tag support">&times; please enter valid data of birth !</p>

<p class="correct\_tag support">&#10003; correct</p>

<br/><br/>

<input type="checkbox" value="agree" id="lagree">

<label>I agree</label><br />

<p class="error\_tag support">&times; please agree !</p>

<p class="correct\_tag support">&#10003; correct</p>

```

        <br/>
        <a href="/login.html" style="color: rgb(255, 255, 255);">registered user</a><br /
    ><br />
        <input type="submit" value="sign up" class="submit_btn">
    </div>
</form>
</div>
</body>
</html>

```

## Register.css

```

body{
    color: aliceblue;
    font-size: 3vh;
    font-family: 'Style Script', cursive;
    background-color:lightgoldenrodyellow
}

.form-container{
    background-color: aqua;
    padding: 3vh 2vw;
    width: 50%;
    margin: 0 auto;
    background: #12c2e9; /* fallback for old browsers */
    background: -webkit-linear-gradient(to right, #f64f59, #c471ed, #12c2e9); /* Chrome 10-
25, Safari 5.1-6 */
    background: linear-
gradient(to right, #f64f59, #c471ed, #12c2e9); /* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera
12+, Safari 7+ */
    box-shadow: 3px 3px 15px 8px rgb(148, 148, 148);

```

```
}
```

```
.submit_btn{  
    width: 100%;  
    padding: 1.5vh 1.5vw;  
    background: #e65c00; /* fallback for old browsers */  
    background: -webkit-linear-gradient(to left, #F9D423, #e65c00); /* Chrome 10-25, Safari 5.1-6 */  
    background: linear-  
gradient(to left, #F9D423, #e65c00); /* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera 12+, Safa  
ri 7+ */  
    border: none;  
    border-radius: 25px;  
    padding: 2.5vh 0;  
    color: white;  
    font-size: 3vh;  
}
```

```
.error_tag{  
    background-color: red;  
    color: aliceblue;  
    padding: 10px;  
    width: 50%;  
    margin: 5px auto;  
    display: none;  
}
```

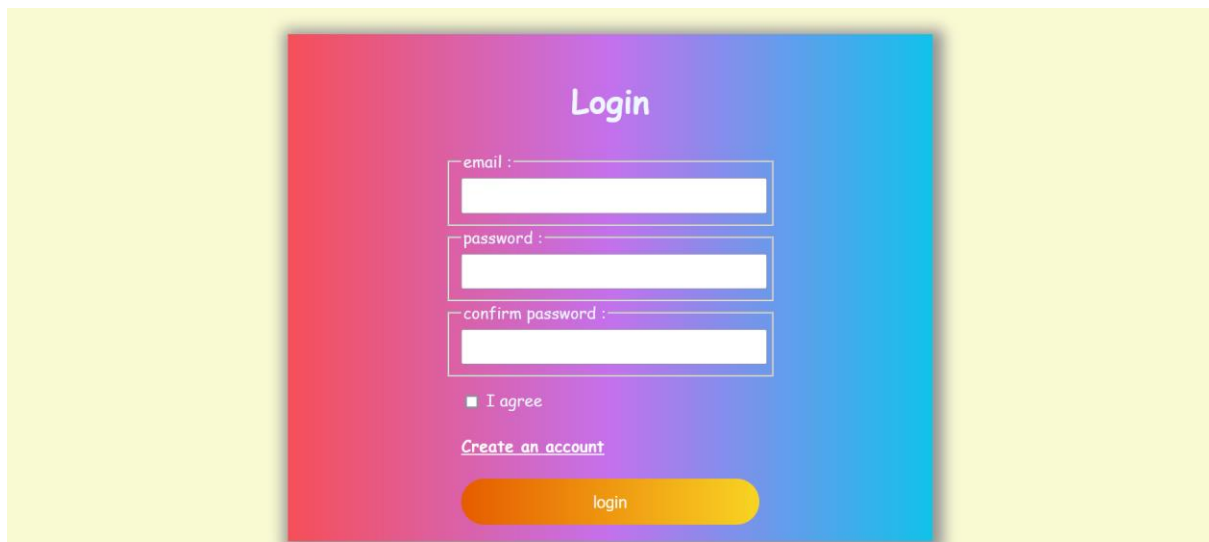
```
.correct_tag{  
    background-color: green;  
    color: aliceblue;  
    padding: 10px;  
    width: 50%;  
    margin: 5px auto;  
    display: none;
```

```
}  
  
.support{  
    position: relative;  
    right:80px;  
}  

```

**Output:**

## **2.Login.html**



**Login**

email :

password :

confirm password :

☐ I agree

[Create an account](#)

**After validation**

**Login**

email :  
gokulpollachi25@gmail.com  
✓ correct

password :  
pollachi25  
✓ correct

confirm password :  
pollachi25  
✓ correct

☒ I agree

✖ please agree the terms to continue

[Create an account](#)

login

**After submission**

**Login**

email :  
gokulpollachi25@gmail.com

✓ correct

confirm password :  
pollachi25

✓ correct

127.0.0.1:5500  
thanks for signing in  
OK

**3.signup.html**

sign up

first name :

last name :

email :

password :

phone :

gender

☐ male ☐ female ☐ other

Date of Birth

dd / mm / yyyy

☐ I agree

[registered user](#)

sign up

**After validation**



## sign up

first name :

Gokul

✓ correct

last name :

.L

✓ correct

email :

gokulpollachi25@gmail.com

✓ correct

password :

pollachi25

✓ correct

phone :

123

✗ incorrect phone number !

gender

☒ male ☐ female ☐ other

Date of Birth

18 / 08 / 2021

☐ I agree

[registered user](#)

sign up

**After submission**

✓ correct

gender

☒ male ☐ female ☐ other

✓ correct

Date of Birth

🌐 127.0.0.1:5500

thanks for registering!

OK

☒ I agree

✓ correct

registered user

sign up

### **Result:**

The above websites all form user inputs are validated and the output is verified.