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| Ex:No:3 | Form validation for ebook library website using Javascript |
| Date:16.08.2021 |

**Aim :**

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

**Procedure:**

1)use javascipt function to validate the name,email,date of birth input entered by user in sign up on submit

2)use javascipt 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 javascipt 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("Iagree");

                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 > 9999999999) {

                    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" *style*="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*="Iagree">

                    <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+, Safari 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*{

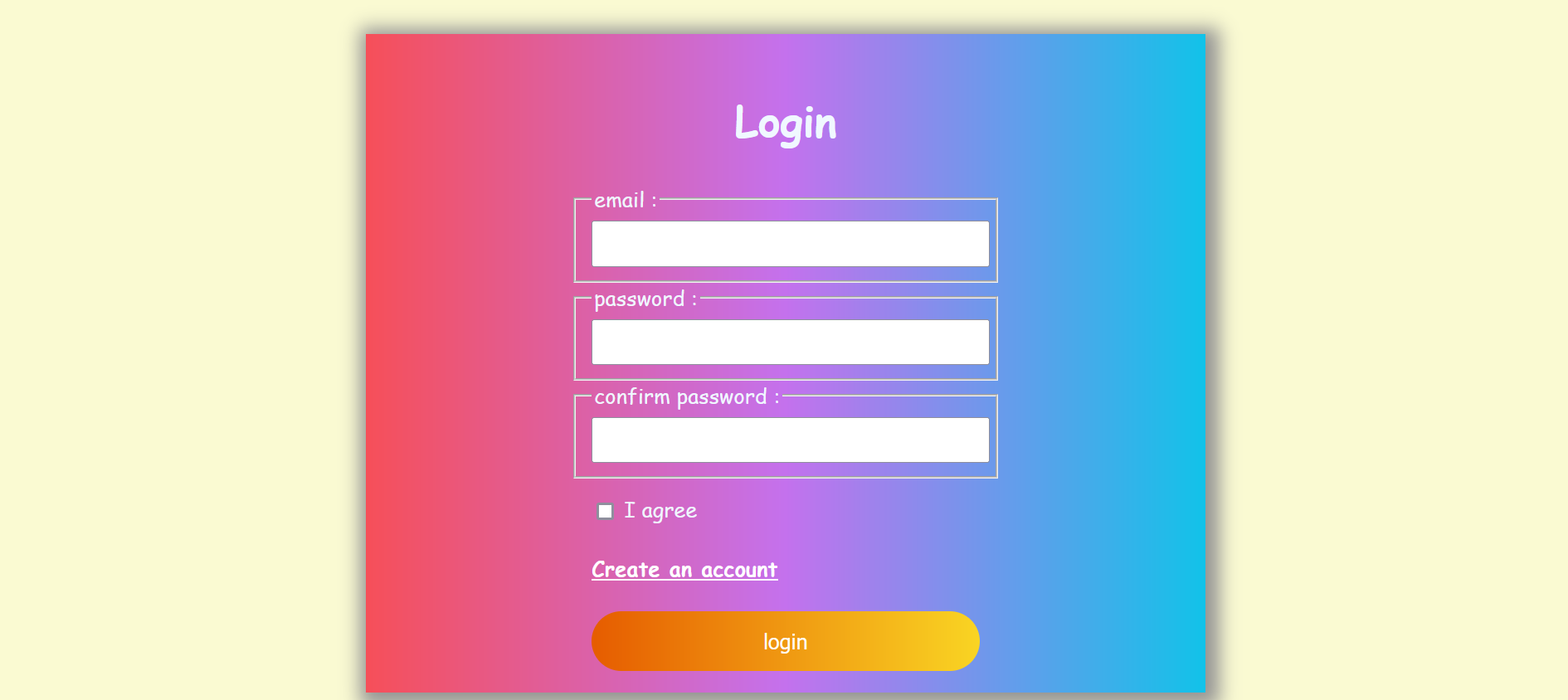
        position: relative;

        right:80px;

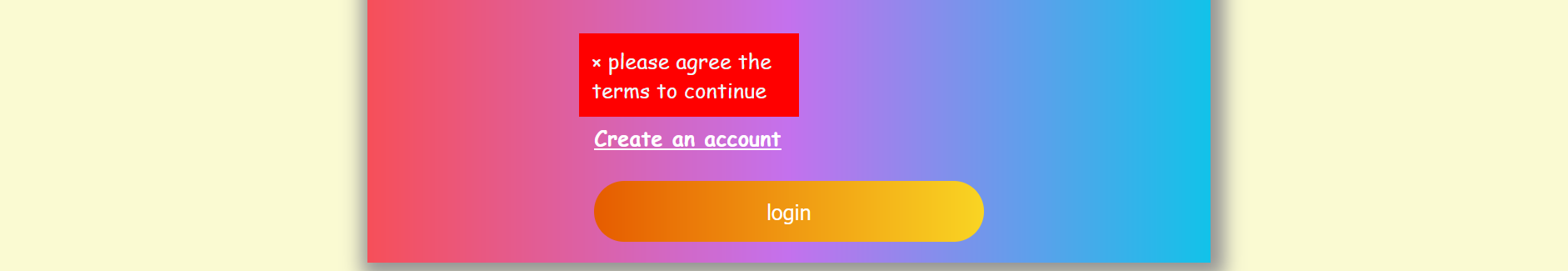
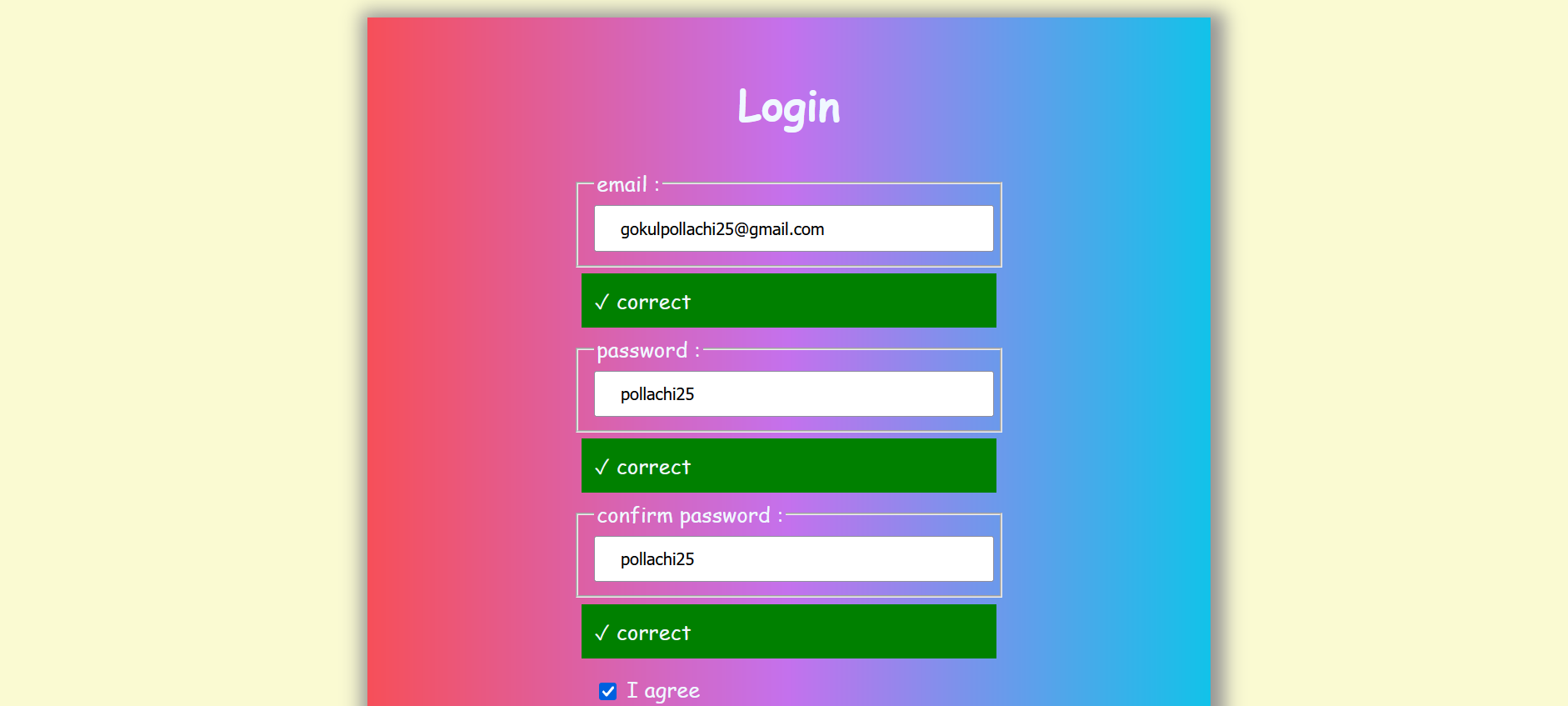
    }

**Output:**

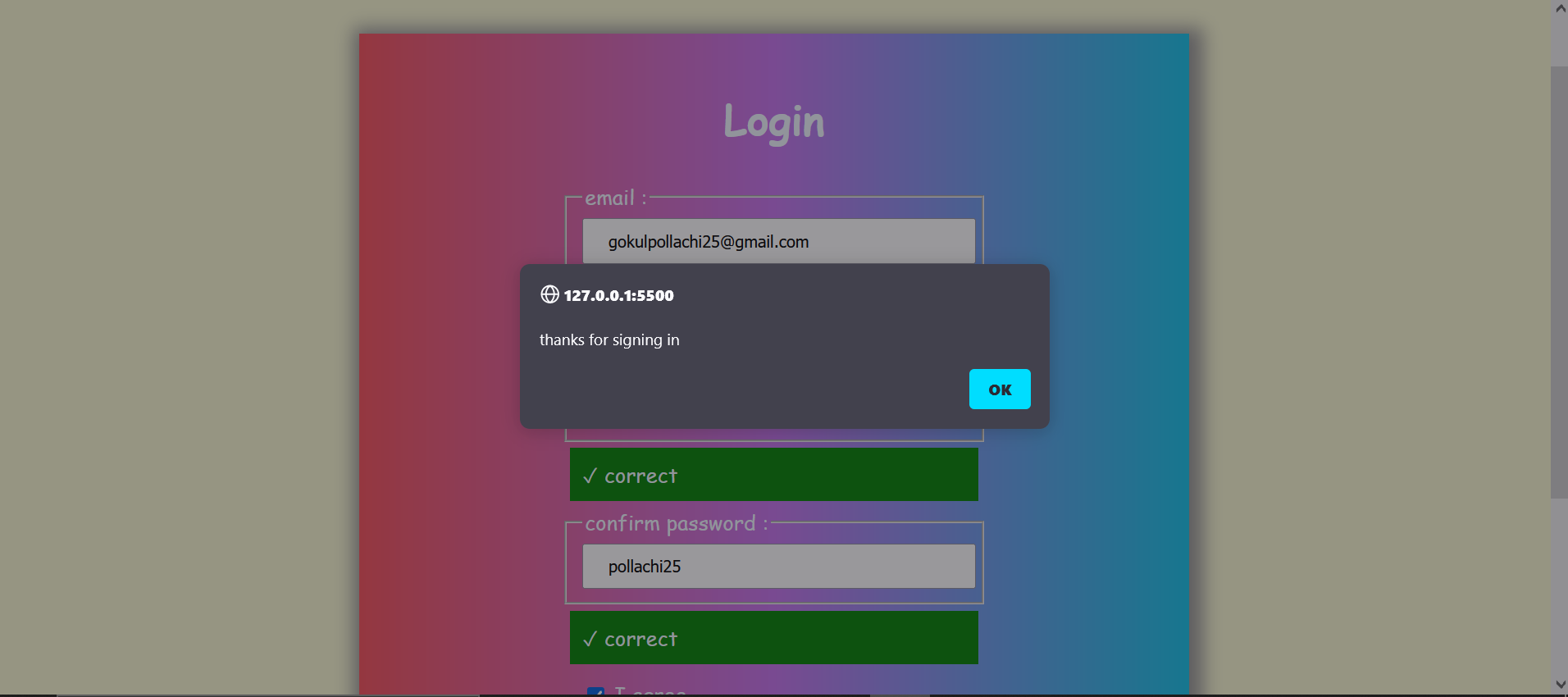
**2.Login.html**



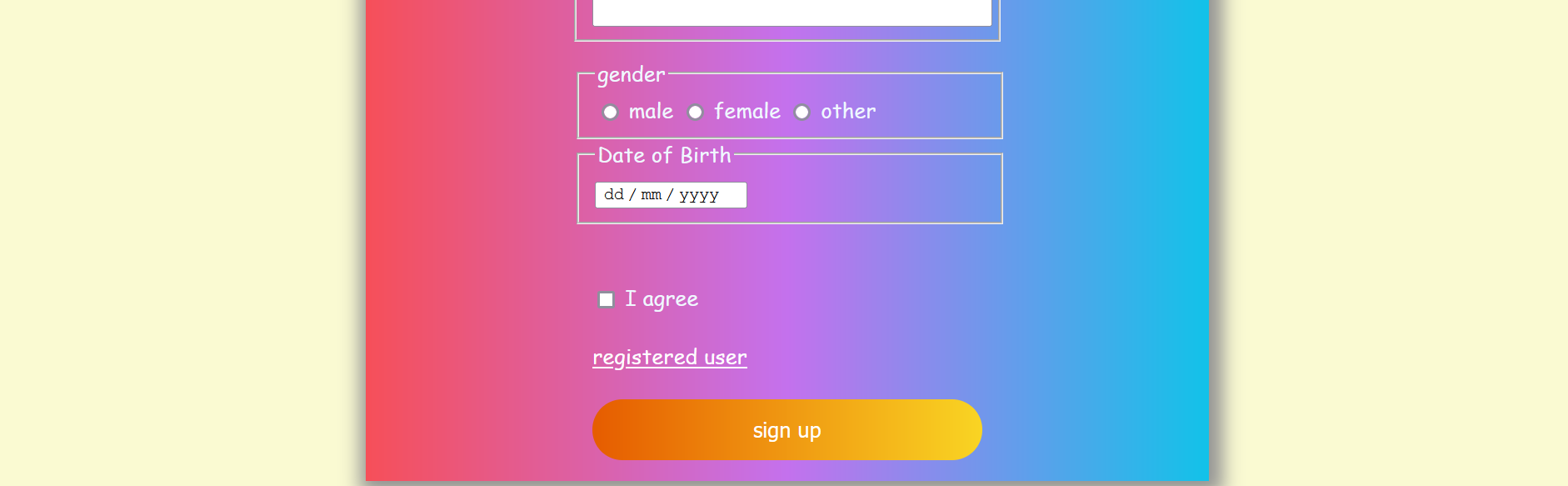
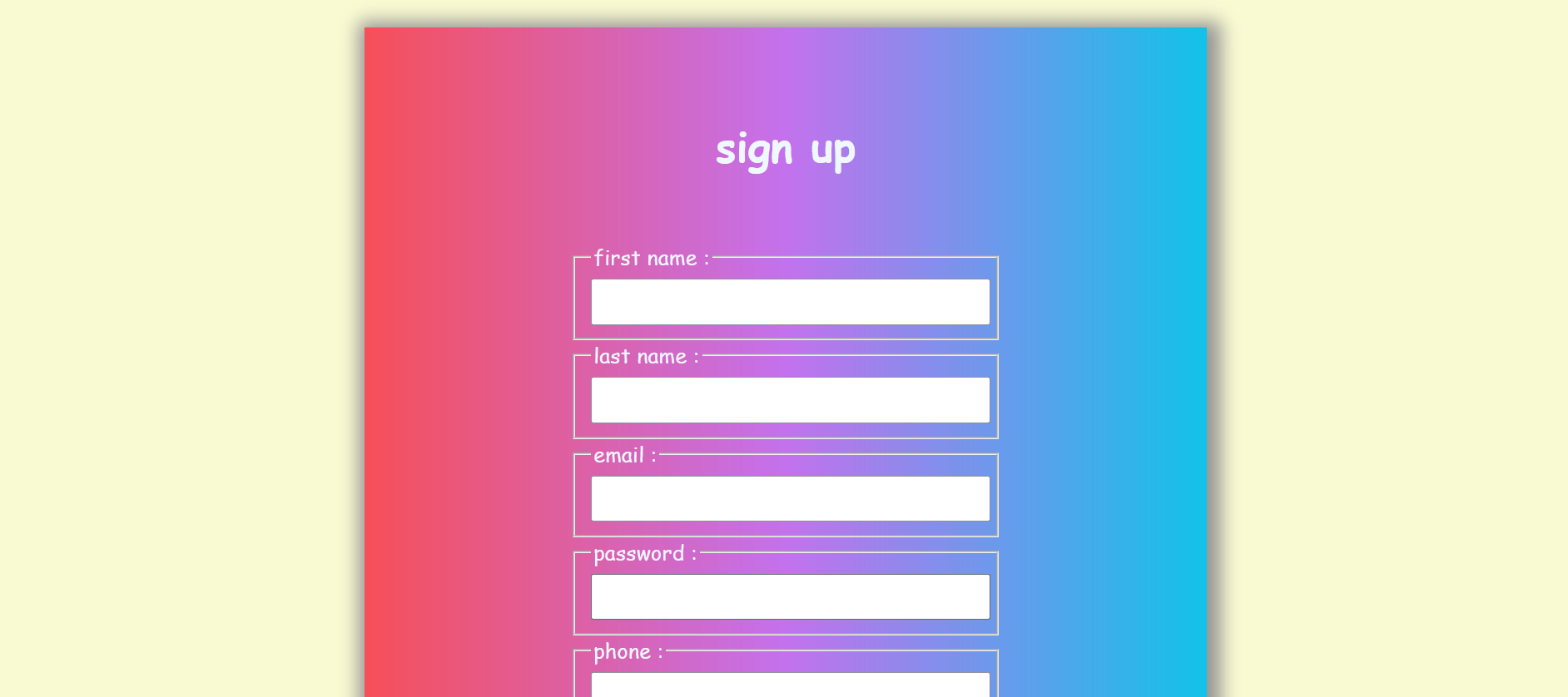
**After validation**



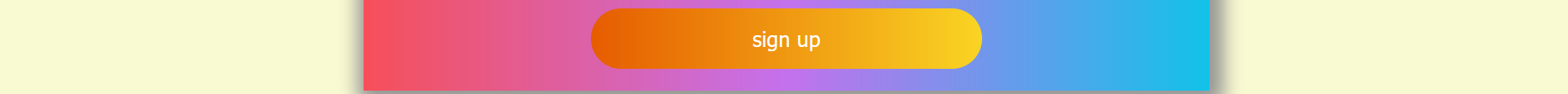
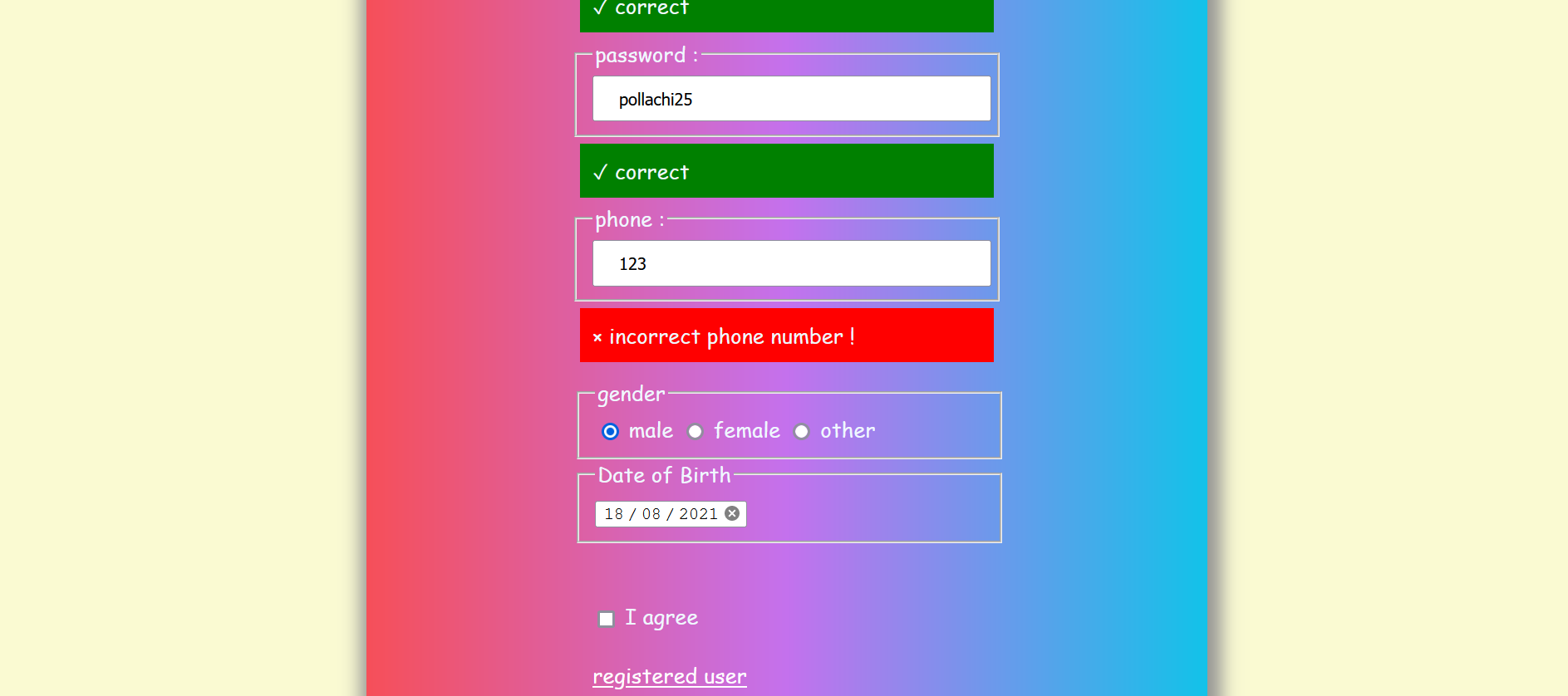
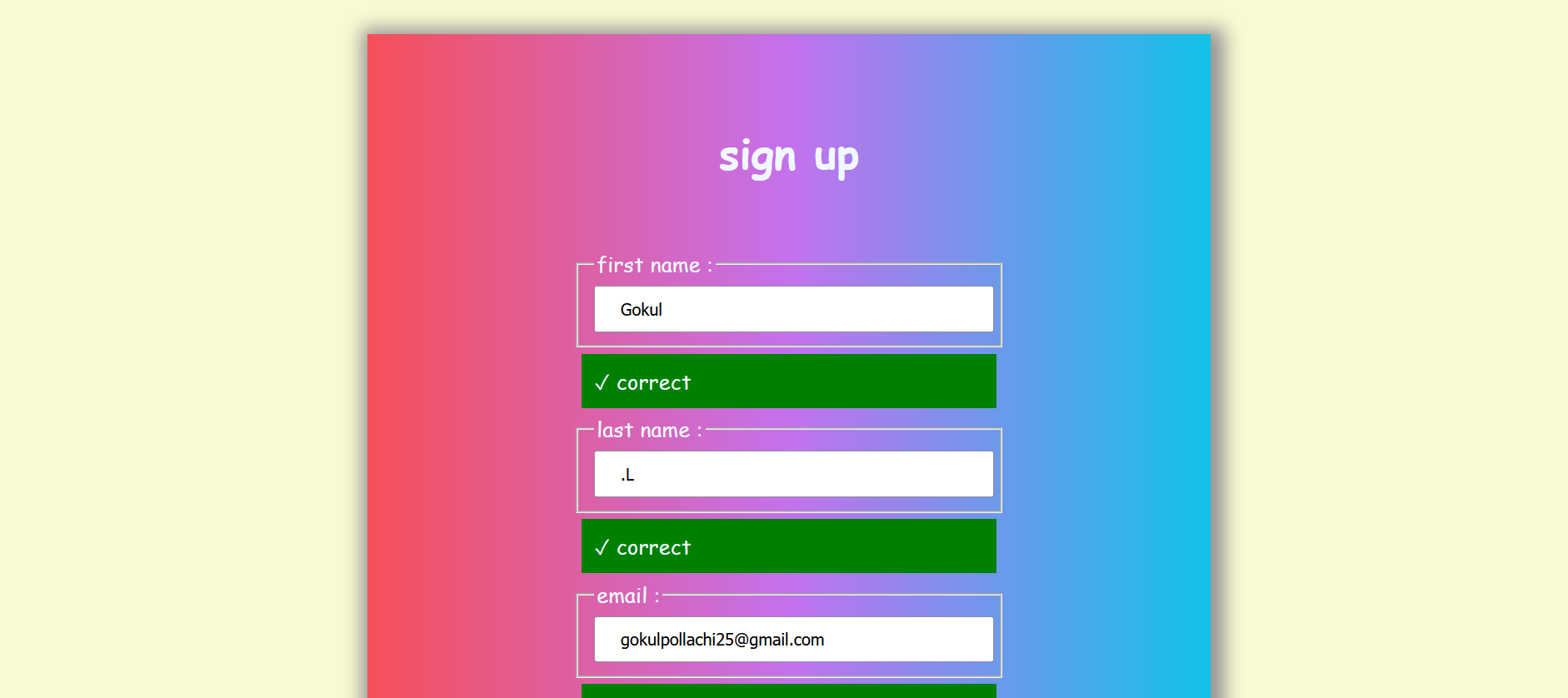
**After submission**



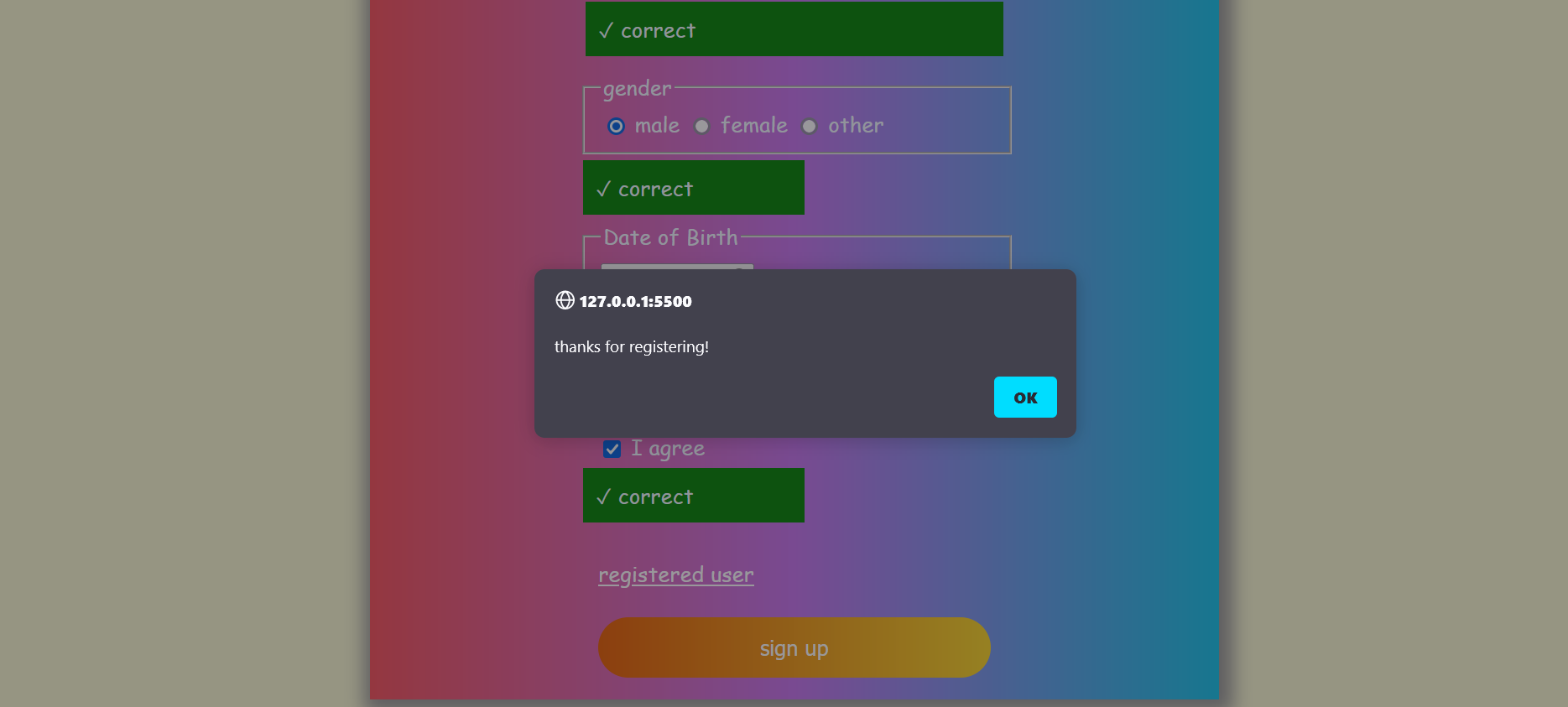
**3.signup.html**

****

**After validation**

****

**After submission**

****

**Result:**

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