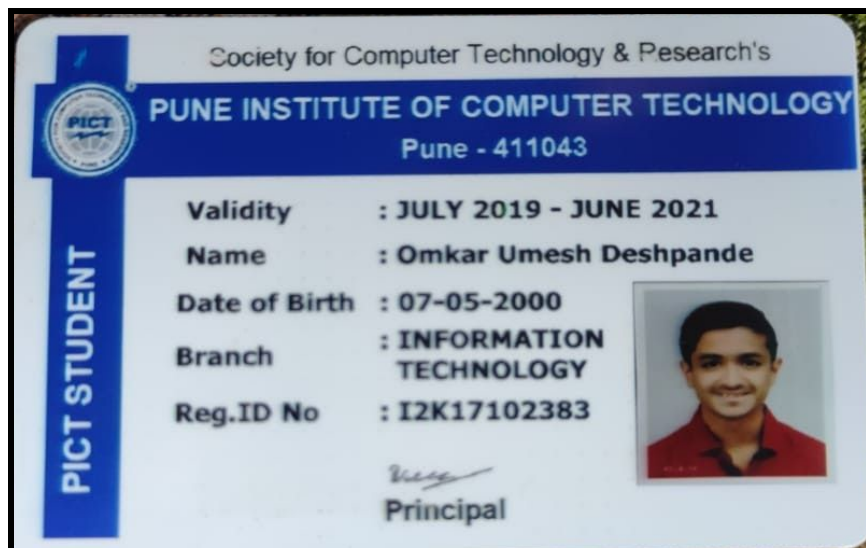# ASSIGNMENT 4

Name - Omkar Deshpande
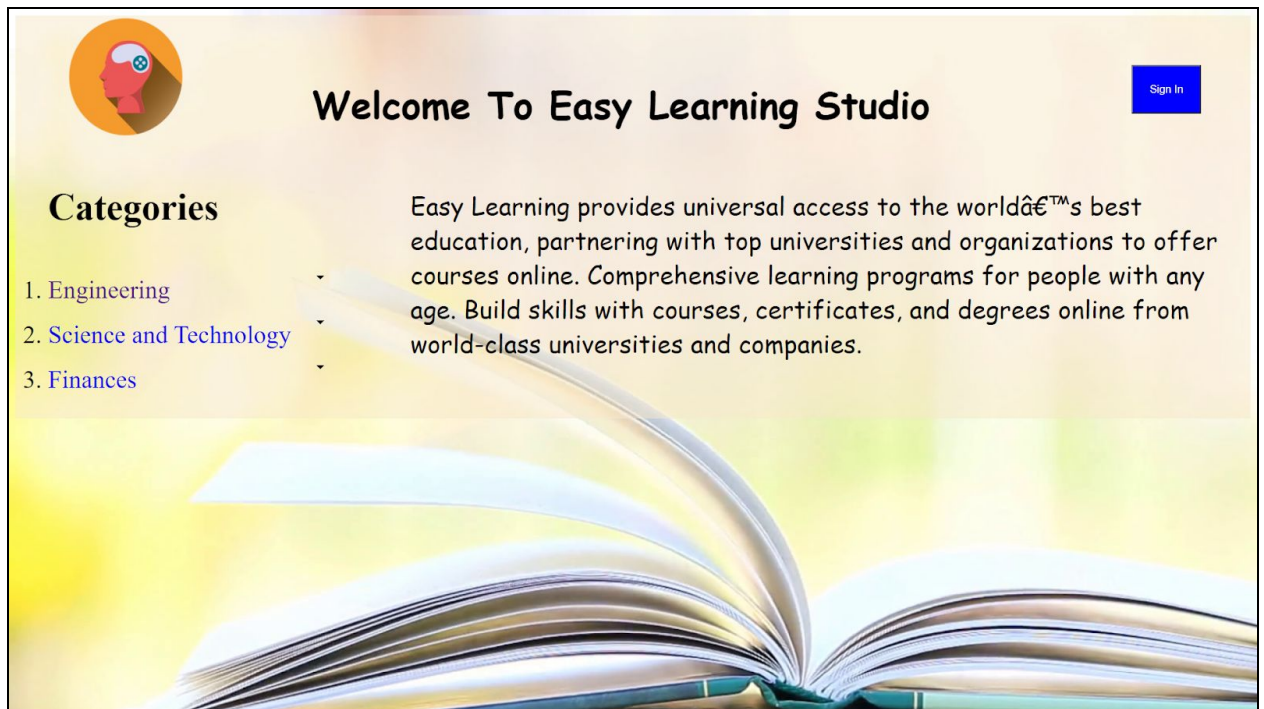
Class - BE 10

Roll No - 43212

Batch - Q10

Problem Statement - Design and validate Login page having username and password using PHP.
Add the essence of AJAX to it.

1. Created sign in button on Starting page.

2. Login Page.

3. On the login page you can enter email and password to login.
4. The php script is connected to mysql database, it query the database to login.

Enter Your Details !

Email :

o

Suggestions: omkar@gmail.com, omkar@hotmail.com

Password :

Enter password *

Submit

5. Ajax is used to query username suggestions from the mysql database.
6. As the user starts typing username, corresponding suggestions appear on screen.

Enter Your Details !

Email :

p

Suggestions: person@demo.com

Password :

Enter password *

Submit

7. Registration page is validated using PHP and the values are added to the database on submit.

8. After login or successful register the next page displays the information of the user.

CODE :-
1. FORM.PHP

```php
<!DOCTYPE html>
<html>

<head>
    <title>Enrollment Form</title>

</head>
<style type="text/css">
    input {
        width: 45%;
        margin-bottom: 20px;
        margin-top: 7px;
        background: transparent;
        border: none;
        color: black;
        border-bottom: 2px solid lightgreen;
    }

    input:hover {
        transition: 0.2s;
        border-bottom: 2px solid black;
    }

    button {
        width: 20%;
        background-color: #ffb3b3;
        color: black;
        height: 30px;
        border-radius: 10px;
        border: none;
    }

    input[type=submit] {
        width: 20%;
        background-color: #ffb3b3;
        color: black;
        height: 30px;
```

```css
    border-radius: 10px;
    border: none;
}

input[type=date]::-webkit-inner-spin-button,
input[type=number]::-webkit-outer-spin-button {
    -webkit-appearance: none;
    margin: 0;
}

input[type=submit]:hover {
    background-color: green;
    transition: .2s;
}

input[type=radio] {
    width: 5%;
}

select {
    width: 20%;
    padding-left: 8%;
}

label {
    margin-top: 9px;
    font-weight: bold;
    font-size: 22px;
    color: black;
}

 ::placeholder {
    color: black;
    opacity: 0.6;
}

input:focus,
select:focus,
textarea:focus,
```

```php
        button:focus {
            outline: none;
        }



</style>

<body style="background-image: url(./assets/bg4.png);background-size:
cover;">
<?php
// define variables and set to empty values
$nameErr = $emailErr = $genderErr = $passwordErr = $phoneErr = "";
$email = $password = $phone = $fname = $lname = $address = $dob =
$pincode = $interest = $qualification = $gender = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {

  if (empty($_POST["email"])) {
    $emailErr = "Email is required";
    echo "Invalid email !";

  } else {
    $email = test_input($_POST["email"]);
    // check if e-mail address is well-formed
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
      $emailErr = "Invalid email format";
      echo "Invalid email format !";
    }
  }

  if (empty($_POST["phone"])) {
    $phoneErr = "Phone is required";
    echo "Invalid phone!";
  } else {
    $phone = test_input($_POST["phone"]);
  }


if (empty($_POST["password"])) {
    $passwordErr = "Password is required";
```

```php
      echo "Invalid password !";
  } else {
    $password = test_input($_POST["password"]);
  }



  if (empty($_POST["gender"])) {
    $genderErr = "Gender is required";
    echo "Invalid gender !";
  } else {
    $gender = test_input($_POST["gender"]);
  }
}


include("config.php");
   session_start();

   if($_SERVER["REQUEST_METHOD"] == "POST") {
     // username and password sent from form

     $myemail = mysqli_real_escape_string($db,$_POST['email']);
     $mypassword = mysqli_real_escape_string($db,$_POST['password']);
     $fname = mysqli_real_escape_string($db,$_POST['fname']);
     $lname = mysqli_real_escape_string($db,$_POST['lname']);
     $phone = mysqli_real_escape_string($db,$_POST['phone']);
     $address = mysqli_real_escape_string($db,$_POST['address']);
     $pincode = mysqli_real_escape_string($db,$_POST['pincode']);
     $gender = mysqli_real_escape_string($db,$_POST['gender']);
     $dob = mysqli_real_escape_string($db,$_POST['dob']);
     $qualification =
mysqli_real_escape_string($db,$_POST['qualification']);
     $interest = mysqli_real_escape_string($db,$_POST['interest']);

     $sql = "SELECT * FROM login WHERE username = '$myemail' and
password = '$mypassword'";
     $sql2 = "INSERT INTO login
VALUES('$mypassword','$fname','$lname','$phone','$myemail','$address','$
```

```php
pincode','$gender',current_timestamp(),'$qualification','$interest')";
        $sql3 = "SELECT * FROM login";
        $result = mysqli_query($db,$sql2);
        echo mysqli_error($db);
        if ($result) {


            $_SESSION["email"] = $myemail;
            header("location: successful.php");
    }


    }



function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>
    <h2 style="color: black;font-size: 35px;" align="center">Please
enter Your Details !</h2>
    <div style="margin-left: 25% ;width: 50%;">
        <form method="POST">

            <div style=" border: 2px solid black;padding: 20px">

                    <div style="width: 50%; float: left">
                        <label for="fname">First Name : </label><br>
                        <input title="First Name should not contain
numbers" style="width: 95%" maxlength="20" ondblclick="return
newfunc(this);" autocomplete="off" placeholder="Enter first name..."
id="fname" type="text" name="fname"><br>
                    </div>
                    <div style="width:50%;float: right">
                        <label for="lname">Last Name : </label><br>
                        <input title="Last Name should not contain
numbers" style="width: 95%" maxlength="20" ondblclick="return
newfunc(this);" autocomplete="off" placeholder="Enter last name..."
```

```html
id="lname" type="text" name="lname"><br>
                    </div>
                    <div style="width: 50%; float: left">
                            <label for="email">Email : </label><br>
                            <input maxlength="20" title="Email should
contain at least one @ and . ex. (email@exaple.com)" style="width: 95%"
ondblclick="return newfunc(this);" autocomplete="off" placeholder="Enter
email *" onkeyup="validateEmail(this)" type="email" id="email"
name="email"><br>
                    </div>
                    <div style="width:50%;float: right">
                            <label for="phone">Phone Number : </label><br>
                            <input maxlength="10" style="width: 95%"
ondblclick="return newfunc(this);" autocomplete="off" placeholder="Enter
Mobile number *" id="phone" type="tel" name="phone"><br>
                    </div>

                <label for="password">Password : </label><br>
                <input maxlength="15" ondblclick="return newfunc(this);"
autocomplete="off" placeholder="Enter password *" type="password"
id="password" name="password"><br>

                <button type="button" id="btn1" hidden>RESET</button>
            </div>

            <div style="border: 2px solid black ;padding:
20px;margin-top: 20px">


                <br>
                <div style="width:50%;float: left">
                        <label for="address"> Address : </label><br>
                        <input maxlength="30" style="width: 95%;"
ondblclick="return newfunc(this);" autocomplete="off" placeholder="Enter
Full address..." id="address" type="text" name="address"><br>
                </div>
                <div style="width:50%;float: right">
                        <label for="Pincode">Pincode : </label><br>
                        <input maxlength="6" style="width: 95%;"
```

```html
ondblclick="return newfunc(this);" autocomplete="off" placeholder="Enter
Pincode..." pattern="^\d{6}" id="pincode" type="tel" name="pincode"><br>
                </div>
                <div style="width:50%;float: left">
                <label for="gender">Gender : </label><br>
                <input ondblclick="return newfunc(this);" value="male"
autocomplete="off" id="radio1" type="radio" name="gender" checked>male
                <input ondblclick="return newfunc(this);"
autocomplete="off" value="female" id="radio2" type="radio"
name="gender">female
                <input ondblclick="return newfunc(this);"
autocomplete="off" id="radio1" value="prefer_not_to_say" type="radio"
name="gender" checked>Prefer not to say
                </div>
                <br>
                <label for="dob" >DOB : </label><br>
                <input ondblclick="return newfunc(this);"
autocomplete="off" id="dob" type="date" name="dob" checked >
                <br>
                <div style="background-color: white;">
                <h2  style="color: black;">Please Select other areas of
Interest !</h2 >
                <input style="padding: 0px;" type="checkbox"
name="interest" value="Engineering">
                <label for="interest"> Engineering</label><br>
                <input type="checkbox" name="interest" value="Science">
                <label for="interest"> Science</label><br>
                <input type="checkbox" name="interest" value="Finance">
                <label for="interest"> Finance</label><br><br>
                </div>

                <h3 style="color: black;">Please Enter Your
Qualification : </h3>
                <select ondblclick="return newfunc(this);"
id="qualification" name="qualification">
                    <option value="UG">UG</option>
                    <option value="PG">PG</option>
                    <option value="SSC">SSC</option>
                    <option value="HSC">HSC</option>
```

```html
                </select><br>

                <button type="button" style="margin-top: 20px" id="btn2"
hidden>RESET</button>
            </div>

            <button class="prevbtn" style="margin-top: 20px;"
id="submitbtn" type="submit" name="submit">Submit</button>
            <button type="button" style="margin-top: 20px" id="btn3"
>Reset</button>

        </form>
    </div>


    <audio id="player">
        <source src="./assets/beep.wav" type="audio/wav">
    </audio><br>



    <script>
        function playAudio() {
            document.getElementById("player").play();
        }



        document.getElementById("email").onkeyup = function() {
            var reg =
/^([A-Za-z0-9_\-\.])+\@([A-Za-z0-9_\-\.])+\.([A-Za-z]{2,4})$/;

            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";
```

```javascript
            return true;
        }


        document.getElementById("fname").onkeyup = function() {
            var reg = /^([A-Za-z])+$/;

            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";

            return true;
        }

        document.getElementById("password").onkeyup = function() {
            var reg =
/^(?=.*[0-9])(?=.*[!@#$%^&*])[a-zA-Z0-9!@#$%^&*]{8,15}$/;

            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";

            return true;
        }

        document.getElementById("lname").onkeyup = function() {
            var reg = /^([A-Za-z])+$/;

            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";
```

```javascript
        return true;
    }

    document.getElementById("phone").onkeyup = function() {
        var reg = /^\d{10}$/;

        if (reg.test(this.value) == false) {
            this.style.borderBottom = "2px solid red";
            //playAudio();
            return false;
        }
        this.style.borderBottom = "2px solid lightgreen";
        return true;
    }

    document.getElementById("pincode").onkeyup = function() {
        var reg = /^\d{6}$/;

        if (reg.test(this.value) == false) {
            this.style.borderBottom = "2px solid red";
            //playAudio();
            return false;
        }
        this.style.borderBottom = "2px solid lightgreen";
        return true;
    }

    document.getElementById("btn1").onclick = function() {
        todo1();
    }


    function todo1() {
        document.getElementById("fname").value = "";
        document.getElementById("lname").value = "";
        document.getElementById("email").value = "";
        document.getElementById("phone").value = "";
```

```javascript
        document.getElementById("password").value = "";


}



document.getElementById("btn2").onclick = function() {
    todo2();
}




function todo2() {


    document.getElementById("address").value = "";
    document.getElementById("qualification").value = "UG";
    document.getElementById("pincode").value = "";
    document.getElementById("radio1").checked = true;
    document.getElementById("radio2").checked = false;
}

document.getElementById("btn3").onclick = function() {
    todo1();
    todo2();
}

function newfunc(here) {
    here.value = "";
}

document.getElementById("submitbtn").onclick = function() {

    if (document.getElementById("email").value == "") {
        playAudio();
        alert("Please insert email !");

        return false;
    } else if (document.getElementById("phone").value == "") {
```

```javascript
                alert("Please insert phone !");
                playAudio();
                return false;
            } else if (document.getElementById("password").value == "")
{

                alert("Please insert password !");
                playAudio();
                return false;
            }

        }


        document.getElementById("dob").onblur = function() {
            var d1 = new Date();
            var d2 = new Date(document.getElementById("dob").value);
            var timeDiff = d2.getTime() - d1.getTime();
            var diff = timeDiff / (1000 * 3600 * 24);

            var value = parseInt(-1 * 365 * 14);

            if (parseInt(diff) > 0) {

                alert("Wrong Date of birth !");
            }

        }
    </script>
</body>
</html>
```

2. CONFIG.PHP

```php
<?php
    define('DB_SERVER', 'localhost');
    define('DB_USERNAME', 'root');
    define('DB_PASSWORD', '123456');
    define('DB_DATABASE', 'assignment_login');
    $db = mysqli_connect(DB_SERVER,DB_USERNAME,DB_PASSWORD,DB_DATABASE);
?>
```

3. LOGIN.PHP

```php
<!DOCTYPE html>
<html>

<head>
    <title>Login Form</title>
    </head>


<body style="background-image: url(./assets/bg4.jpg);background-size:
cover;">
<?php
// define variables and set to empty values
$nameErr = $emailErr = $genderErr = $passwordErr = $phoneErr = "";
$name = $email = $password = $phone = $website = "";


include("config.php");
    session_start();

    if($_SERVER["REQUEST_METHOD"] == "POST") {
        // username and password sent from form

        $myemail = mysqli_real_escape_string($db,$_POST['email']);
        $mypassword = mysqli_real_escape_string($db,$_POST['password']);

        $sql = "SELECT * FROM login WHERE email = '$myemail' and password
```

```php
= '$mypassword'";
        $result = mysqli_query($db,$sql);
        echo mysqli_error($db);
        $row = mysqli_fetch_array($result,MYSQLI_ASSOC);
        $active = $row['active'];

        $count = mysqli_num_rows($result);
        echo $count;
        // If result matched $myemail and $mypassword, table row must be 1
row

        if($count == 1) {

            $_SESSION["email"] = $myemail;
            header("location: successful.php");
        }else {
            $error = "Your Login Name or Password is invalid";
        }

    }

function test_input($data) {
  $data = trim($data);
  $data = stripslashes($data);
  $data = htmlspecialchars($data);
  return $data;
}
?>
    <h2 style="color: black;font-size: 50px;" align="center">Enter Your
Details !</h2>
    <div style="margin-left: 25% ;width: 50%;">
        <form method="post" action="" >

            <div style=" border: 2px solid black;padding: 20px">
                <label for="email">Email : </label><br>
                <input maxlength="20" ondblclick="return newfunc(this);"
autocomplete="off" placeholder="Enter email *"
onkeyup="validateEmail(this)" type="text" id="email" name="email"><br>
                <span style="color:red;"> <?php echo
```

```php
$emailErr;?></span><br>
                <p>Suggestions: <span id="txtHint"></span></p>

                <label for="password">Password : </label><br>
                <input maxlength="15" ondblclick="return newfunc(this);"
autocomplete="off" placeholder="Enter password *" type="password"
id="password" name="password"><br>
                <span style="color:red;"> <?php echo
$passwordErr;?></span><br>

            </div>


            <button class="prevbtn" style="margin-top: 20px;"
id="submitbtn" type="submit" name="submit">Submit</button>


        </form>
    </div>



    <script>



        document.getElementById("email").onkeyup = function() {
            var reg =
/^([A-Za-z0-9_\-\.])+\@([A-Za-z0-9_\-\.])+\.([A-Za-z]{2,4})$/;
            str = document.getElementById("email").value;
            if (str.length == 0) {
                document.getElementById("txtHint").innerHTML = "";
                return;
            } else {
                // alert(str);
                var xmlhttp = new XMLHttpRequest();
                xmlhttp.onreadystatechange = function() {
                    if (this.readyState == 4 && this.status == 200) {
```

```javascript
                        document.getElementById("txtHint").innerHTML =
this.responseText;
                    }
                };
                xmlhttp.open("GET", "gethint.php?q=" + str, true);
                xmlhttp.send();
            }
            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";

            return true;
        }



        document.getElementById("password").onkeyup = function() {
            var reg =
/^(?=.*[0-9])(?=.*[!@#$%^&*])[a-zA-Z0-9!@#$%^&*]{8,15}$/;

            if (reg.test(this.value) == false) {
                this.style.borderBottom = "2px solid red";
                //playAudio();
                return false;
            }
            this.style.borderBottom = "2px solid lightgreen";

            return true;
        }



        document.getElementById("phone").onkeyup = function() {
            var reg = /^\d{10}$/;

            if (reg.test(this.value) == false) {
```

```javascript
        this.style.borderBottom = "2px solid red";
        //playAudio();
        return false;
    }
    this.style.borderBottom = "2px solid lightgreen";
    return true;
}



document.getElementById("btn1").onclick = function() {
    todo1();
}



function todo1() {
    document.getElementById("fname").value = "";
    document.getElementById("lname").value = "";
    document.getElementById("email").value = "";
    document.getElementById("phone").value = "";
    document.getElementById("password").value = "";


}



document.getElementById("btn2").onclick = function() {
    todo2();
}



function todo2() {

    document.getElementById("address").value = "";
    document.getElementById("qualification").value = "UG";
    document.getElementById("pincode").value = "";
```

```javascript
        document.getElementById("radio1").checked = true;
        document.getElementById("radio2").checked = false;
    }


    document.getElementById("btn3").onclick = function() {
        todo1();
        todo2();
    }


    function newfunc(here) {
        here.value = "";
    }


    document.getElementById("submitbtn").onclick = function() {

        if (document.getElementById("email").value == "") {
            playAudio();
            alert("Please insert email !");

            return false;
        } else if (document.getElementById("phone").value == "") {
            alert("Please insert phone !");
            playAudio();
            return false;
        } else if (document.getElementById("password").value == "")
{
            alert("Please insert password !");
            playAudio();
            return false;
        }


    }


    </script>
</body>
```

```
</html>
```

4. GETHINT.PHP

```php
<?php
// Array with names
include("config.php");
    session_start();
    $sql = "SELECT email FROM login";
    $result = mysqli_query($db,$sql);
    echo mysqli_error($db);
    $a = array();

while($row = mysqli_fetch_array($result,MYSQLI_ASSOC)) {
    $a[] = $row['email'];
}
// get the q parameter from URL
$q = $_REQUEST["q"];

$hint = "";

// lookup all hints from array if $q is different from ""
if ($q !== "") {
  $q = strtolower($q);
  $len=strlen($q);

  foreach($a as $name) {

    if (stristr($q, substr($name, 0, $len)) ) {
      if ($hint === "") {
        $hint = $name;
      } else {
        $hint .= ", $name";
      }
```

```
        }
    }
}

// Output "no suggestion" if no hint was found or output correct values
echo $hint === "" ? "no suggestion" : $hint;
?>
```

5. SUCCESSFUL.PHP

```
<!DOCTYPE html>
<html>

<head>
    <title>Success</title>

</head>

<body background="bg4.jpg" style=" background-image:
url(./assets/bg4.jpg);background-size: cover;">


    <p style="color: black" id="demo"></p>
</body>
<?php
    include('config.php');
    session_start();
    $email = $_SESSION['email'];

    $sql = "SELECT * FROM login WHERE email = '$email'";
    $result = mysqli_query($db,$sql);
    echo mysqli_error($db);
    $row = mysqli_fetch_array($result,MYSQLI_ASSOC);

    $fname = $row['fname'];
    $lname = $row['lname'];
    $address = $row['address'];
```

```php
    $dob = $row['address'];
    $pincode = $row['pincode'];
    $interest = $row['interest'];
    $qualification =  $row['qualification'];
    echo "<h1> Welcome $fname $lname !</h1>";
    echo "<h3> Name :  $fname $lname <br> Address :  $address <br> DOB :
$dob <br> Pincode : $pincode <br> Interest : $interest <br>
Qualification :  $qualification</h3>";


?>



</html>
```