

**Web Technology Lab Sheet**

Submitted by :

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5th semester

16175

1. Design a simple website homepage containing basic elements of HTML.

Source code :

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <titl> First question</titl> |
|  | </head> |
|  | <body> |
|  | <h1> Creating simple homepage using basic elements of html</h1> |
|  | <p><b> Hypertext Markup Language (HTML)</b> is the standard markup language for documents designed to be displayed in |
|  | a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages |
|  | such as JavaScript.</p> |
|  | <br> |
|  | <p><b> Let's create a table</b></p> |
|  | <table border="1" width="400" height="150"> |
|  | <tr> |
|  | <th> Movie Name </th> |
|  | <th> Movie released date</th> |
|  | </tr> |
|  | <tr> |
|  | <td> Sholay </td> |
|  | <td> 1965 </td> |
|  | </tr> |
|  | <tr> |
|  | <td> Mother India </td> |
|  | <td> 1957</td> |
|  | </tr> |
|  | <tr> |
|  | <td> Lgaan</td> |
|  | <td> 2001 </td> |
|  | </tr> |
|  | </table> |
|  | <br> |
|  | <b> Let's create a list</b> |
|  | <ol> |
|  | <li> Nepal</li> |
|  | <li> China</li> |
|  | <li> India</li> |
|  | </ol> |
|  | <br> |
|  | <a href="www.google.com">Click here to redirect to Google</a> |
|  | <br><br> |
|  | <div> |
|  | <form> |
|  | User ID : <input type="text" name="user\_id"/> |
|  | <br><br> |
|  | Password : <input type="password" name="password"/> |
|  | <br> |
|  | <br> |
|  | Gender : <input type="radio" name="Binary"> Binary |
|  | <input type="radio" name="NonBinary"> Non-Binary |
|  | <br><br> |
|  | Subject : <input type="checkbox" name="Maths" value="M"> Maths |
|  | <input type="checkbox" name="Computer" value="C"> Computer |
|  | <br><br> |
|  | <input type="button" name="Submit" value="Submit"> Submit |
|  | </form> |
|  | </div> |
|  | </body> |
|  | </html> |

**Output :**



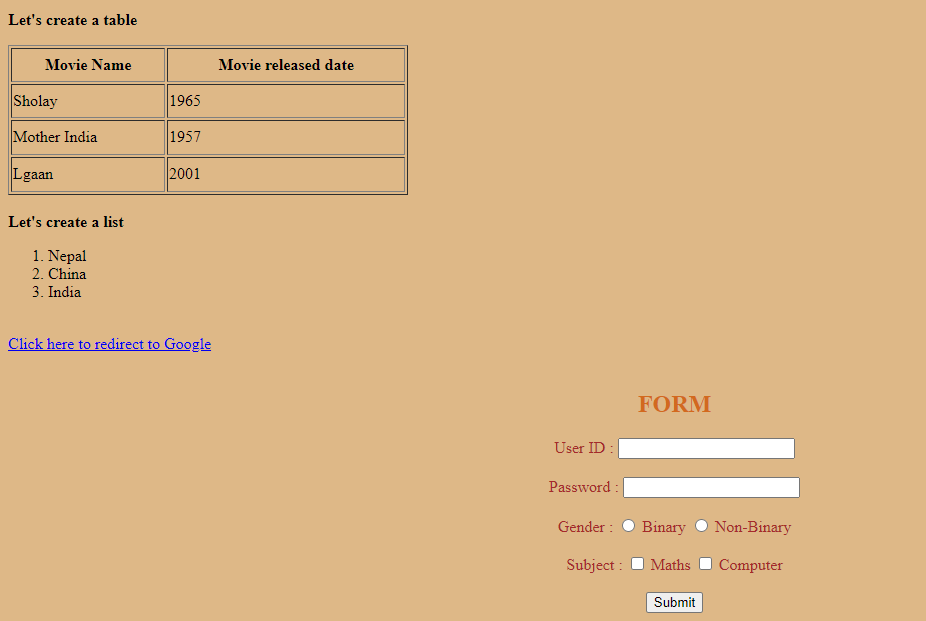


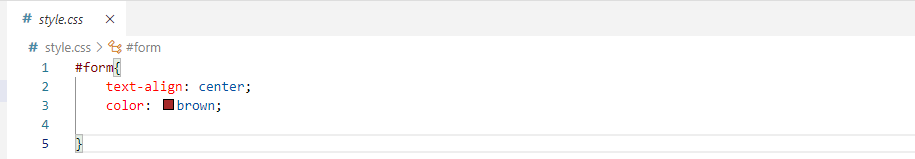
2.Design a simple webpage which contains Inline, Internal and External CSS.

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <title> First question</title> |
|  | <link rel="stylesheet" href="style.css"> |
|  | <style> |
|  | body{background-color: burlywood;} |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <h1 style="color:rgb(126, 64, 6);"> Creating simple homepage using basic elements of html</h1> |
|  | <p><b> Hypertext Markup Language (HTML)</b> is the standard markup language for documents designed to be displayed in |
|  | a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages |
|  | such as JavaScript.</p> |
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|  | <tr> |
|  | <td> Sholay </td> |
|  | <td> 1965 </td> |
|  | </tr> |
|  | <tr> |
|  | <td> Mother India </td> |
|  | <td> 1957</td> |
|  | </tr> |
|  | <tr> |
|  | <td> Lgaan</td> |
|  | <td> 2001 </td> |
|  | </tr> |
|  | </table> |
|  | <br> |
|  | <b> Let's create a list</b> |
|  | <ol> |
|  | <li> Nepal</li> |
|  | <li> China</li> |
|  | <li> India</li> |
|  | </ol> |
|  | <br> |
|  | <a href="www.google.com">Click here to redirect to Google</a> |
|  | <br><br> |
|  | <div id="form"> |
|  | <form> |
|  | <h2 style="color: chocolate;">FORM</h2> |
|  | User ID : <input type="text" name="user\_id"/> |
|  | <br><br> |
|  | Password : <input type="password" name="password"/> |
|  | <br> |
|  | <br> |
|  | Gender : <input type="radio" name="Binary"> Binary |
|  | <input type="radio" name="NonBinary"> Non-Binary |
|  | <br><br> |
|  | Subject : <input type="checkbox" name="Maths" value="M"> Maths |
|  | <input type="checkbox" name="Computer" value="C"> Computer |
|  | <br><br> |
|  | <input type="button" name="Submit" value="Submit"> |
|  | </form> |
|  | </div> |
|  | </body> |
|  | </html> |

**Output:**







1. Design a Simple Form having Input Text Field, TextArea, Dropdown, Radio Button and Checkbox.

|  |
| --- |
| <!DOCTYPE html> |
|  | <head lang="en"> |
|  | <meta charset="utf-8"> |
|  | <title>3</title> |
|  | </head> |
|  | <body> |
|  | <h2 style="text-align: center;"> FORM </h2> |
|  | <form> |
|  | Name : <input type="text" name="Name" > |
|  | <br> |
|  | <br> |
|  | About you : <br/> |
|  | <textarea rows="9" cols="50" name="about you"> |
|  | Write about yourself |
|  | </textarea> |
|  | <br> |
|  | <br> |
|  | <select name="dropdown"> |
|  | <option value="CSIT" selected> CSIT</option> |
|  | <option value= "Engineering ">Engineering</option> |
|  | <option value="BCA">BCA</option> |
|  | </select> |
|  | <br> |
|  | <br> |
|  | Gender: <input type="radio" name="gender" value="Binary">Binary |
|  | <input type="radio" name="gender" value="Non-binary"> Non Binary </br><br> |
|  | Level : <input type="checkbox" value="7th sem"> 7th semester |
|  | <input type="checkbox" value="8th sem"> 8th semester |
|  | </form> |
|  | </body> |
|  | </html> |

OUTPUT:



1. Develop a simple website that checks the validity of the user login. Assume that the data is already in the database. Use Client Site script to check the empty values during login.

Source code:

<?php

session\_start();

$host = "localhost";

$user = "root";

$password = "";

$dbname = "qn1";

$con = mysqli\_connect($host, $user, $password,$dbname);

if (!$con) {

  die("Connection failed: " . mysqli\_connect\_error());

}

?>

**config.php**

<!-- localhost/Qn1/index.php in Chrome -->

<!-- C:/XAMPP/htdocs/Qn1/index.php save here always -->

<!doctype html>

<html>

    <head>

        <title>Login page with jQuery and AJAX</title>

        <link href="style.css" rel="stylesheet" type="text/css">

        <script src="jquery-3.2.1.min.js" type="text/javascript"></script>

        <script src="loginvalidate.js" type="text/javascript"></script>

    </head>

    <body>

        <div class="container">

            <div id="div\_login">

                <h1>Login</h1>

                <div id="message"></div>

                <div>

                    <input type="text" class="textbox" id="txt\_uname" name="txt\_uname" placeholder="Username" />

                </div>

                <div>

                    <input type="password" class="textbox" id="txt\_pwd" name="txt\_pwd" placeholder="Password"/>

                </div>

                <div>

                    <input type="button" value="Submit" name="but\_submit" id="but\_submit" />

                </div>

            </div>

        </div>

    </body>

</html>

**index.php**

|  |
| --- |
| <?php |
|  |  |
|  | // Destroy session |
|  | session\_destroy(); |
|  | header('Location: index.php'); |
|  | ?> |

**logout.php**

|  |
| --- |
| <?php |
|  |
|  | include "config.php"; |
|  |  |
|  | // Check user login or not |
|  | if(!isset($\_SESSION['uname'])){ |
|  | header('Location: index.php'); |
|  | } |
|  |  |
|  | ?> |
|  |  |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <title>Login page with jQuery and AJAX</title> |
|  | </head> |
|  | <body> |
|  | <h1>Homepage</h1> |
|  | <br> |
|  | <a href="logout.php">Logout</a> |
|  | </body> |
|  | </html> |

**home.php**

|  |
| --- |
| /\* Container \*/ |
|  | .container{ |
|  | width:40%; |
|  | margin:0 auto; |
|  | } |
|  |  |
|  | /\* Login \*/ |
|  | #div\_login{ |
|  | border: 1px solid gray; |
|  | border-radius: 3px; |
|  | width: 470px; |
|  | height: 270px; |
|  | box-shadow: 0px 2px 2px 0px gray; |
|  | margin: 0 auto; |
|  | } |
|  |  |
|  | #div\_login h1{ |
|  | margin-top: 0px; |
|  | font-weight: normal; |
|  | padding: 10px; |
|  | background-color: cornflowerblue; |
|  | color: white; |
|  | font-family: sans-serif; |
|  | } |
|  |  |
|  | #div\_login div{ |
|  | clear: both; |
|  | margin-top: 10px; |
|  | padding: 5px; |
|  | } |
|  |  |
|  | #div\_login .textbox{ |
|  | width: 96%; |
|  | padding: 7px; |
|  | } |
|  |  |
|  | #div\_login input[type=submit]{ |
|  | padding: 7px; |
|  | width: 100px; |
|  | background-color: lightseagreen; |
|  | border: 0px; |
|  | color: white; |
|  | } |
|  |  |
|  | #message{ |
|  | width:100%; |
|  | text-align:center; |
|  | color:red; |
|  | } |
|  | /\* media \*/ |
|  | @media screen and (max-width:720px){ |
|  | .container{ |
|  | width: 100%; |
|  | } |
|  | #div\_login{ |
|  | width: 99%; |
|  | } |
|  | } |

**Style.css**

|  |
| --- |
| $(document).ready(function() { |
|  |  |
|  | $("#but\_submit").click(function() { |
|  | var username = $("#txt\_uname").val().trim(); |
|  | var password = $("#txt\_pwd").val().trim(); |
|  |  |
|  | if (username != "" && password != "") { |
|  | $.ajax({ |
|  | url: 'checkUser.php', |
|  | type: 'post', |
|  | data: { |
|  | username: username, |
|  | password: password |
|  | }, |
|  | success: function(response) { |
|  | var msg = ""; |
|  | if (response == 1) { |
|  | window.location = "home.php"; |
|  | } else { |
|  | msg = "Invalid username and password!"; |
|  | } |
|  | $("#message").html(msg); |
|  | } |
|  | }); |
|  | } else if (username == "" && password == "") { |
|  | msg = "Empty Password and Username Field" |
|  | $("#message").html(msg); |
|  | } else if (username == "") { |
|  | msg = "Empty Username Field"; |
|  | $("#message").html(msg); |
|  | } else if (password == "") { |
|  | msg = "Empty Password Field"; |
|  | $("#message").html(msg); |
|  | } |
|  | }); |
|  |  |
|  | }); |

**loginvalidate.js**

|  |
| --- |
| <?php |
|  | include "config.php"; |
|  |  |
|  | $uname = mysqli\_real\_escape\_string($con,$\_POST['username']); |
|  | $password = mysqli\_real\_escape\_string($con,$\_POST['password']); |
|  |  |
|  |  |
|  | if ($uname != "" && $password != ""){ |
|  |  |
|  | $sql\_query = "SELECT count(\*) as cntUser FROM users WHERE username='".$uname."' and password='".$password."'"; |
|  | $result = mysqli\_query($con,$sql\_query); |
|  | $row = mysqli\_fetch\_array($result); |
|  |  |
|  | $count = $row['cntUser']; |
|  |  |
|  | if($count > 0){ |
|  | $\_SESSION['uname'] = $uname; |
|  | echo 1; |
|  | }else{ |
|  | echo 0; |
|  | } |
|  |  |
|  | } |
|  | ?> |

**checkUser.php**