# L1 HTML #1

## Generic HTMLs

### contactUs

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>Dazzle Designs</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>&hearts; &hearts; Dazzle Design &hearts; &hearts;</h1>  <img src="images/JewelBanner.jpg" alt="JewelBanner image" title="JewelBanner"  height="160"/>  <h2>| <a href="index.html">Home</a> | <a href="customDesigns.html">Custom Designs</a> | <a href="contactUs.html">Contact Us</a></h2>  <hr/>  <h2><b> Interested in our fabulous accessories and custom designs?  <br/>Drop us a request here: </b></h2>  <br/>  <br/>  <h3><b>Dazzle Designs Pte Ltd </b><br/>  80 Hampshire Road, Singapore <br/>  Postal Code 730800<br/>  Email: <a href="dazzleddesigns@email.com">dazzleddesigns@email.com</a> <br/>  Tel: 5522 9999 (ext 800)  </h3>  <p>Copyrights &copy; Dazzle Designs </p>  </body>  </html> |

### customDesigns

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>Dazzle Designs</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>&hearts; &hearts; Dazzle Design &hearts; &hearts;</h1>  <img src="images/JewelBanner.jpg" alt="JewelBanner image" title="JewelBanner"  height="160"/>  <h2>| <a href="index.html">Home</a> | <a href="customDesigns.html">Custom Designs</a> | <a href="contactUs.html">Contact Us</a></h2>  <hr/>  <h2><b> Latest Custom Designs: </b></h2>  <p><b> Featured Design 1: Circle of Romance </b></p>  <img src="images/RoseCir.jpg" alt="Circle of Romance image" title="Circle of Romance"  height="130" width="160"/>  <p> Celebrity Designer: Kim Ngo </p>  <p> Description: </p>  <p> A pink rose on a swing of dangling Swarovski crystals. A tinge of romance is in the air. </p>  <hr/>    <p><b> Featured Design 2: Petite </b></p>  <img src="images/Petite.jpg" alt="Petite image" title="Petite"  height="130" width="160"/>  <p> Celebrity Designer: Fanny Wong </p>  <p> Description: </p>  <p> Demure and sweet piece of work for the young thing. </p>  <hr/>  <p>Copyrights &copy; Dazzle Designs </p>  </body>  </html> |

### Index

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>Dazzle Designs</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>&hearts; &hearts; Dazzle Design &hearts; &hearts;</h1>  <img src="images/JewelBanner.jpg" alt="JewelBanner image" title="JewelBanner"  height="160"/>  <h2>| <a href="index.html">Home</a> | <a href="customDesigns.html">Custom Designs</a> | <a href="contactUs.html">Contact Us</a></h2>  <hr/>  <h2><b> New Jewellery Just In. Check These Out! </b></h2>    <a href="Aurora.html" target="\_blank">  <img src="images/Aurora.jpg" alt="Aurora image" title="Aurora"  height="160" width="112"/>  </a>  <p> <b> The Aurora </b> </p>  <p> PRICE: SGD 30 </p>  <hr/>  <a href="PinkMoon.html" target="\_blank">  <img src="images/PinkMoon.jpg" alt="Pink Moon image" title="Pink Moon"  height="160" width="112"/>  </a>  <p> <b> The Pink Moon </b> </p>  <p> PRICE: SGD 35 </p>  <hr/>  <a href="Mrosa.html" target="\_blank">  <img src="images/Mrosa.jpg" alt="Mademoiselle Rosa image" title="Mademoiselle Rosa"  height="160" width="112"/>  </a>  <p> <b> Mademoiselle Rosa </b> </p>  <p> PRICE: SGD 50 </p>  <hr/>  <a href="Starry.html" target="\_blank">  <img src="images/Starry.jpg" alt="The Starry Night image" title="The Starry Night"  height="160" width="112"/>  </a>  <p> <b> The Starry Night </b> </p>  <p> PRICE: SGD 35 </p>  <hr/>  <p>Copyrights &copy; Dazzle Designs </p>  </body>  </html> |

### myFirstPage

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>My First HTML Page</title>  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>My First Heading</h1>  <p>My First Paragraph</p>  <div>TODO write content</div>  <img src="images/exampleImage.png" alt="Example image"/>  </body>  </html> |

### Aurora

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Aurora</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <img src="images/Aurora.jpg" alt="Aurora image" title="Aurora"/>  </body>  </html> |

### Mrosa

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <img src="images/Mrosa.jpg" alt="Mademoiselle Rosa image" title="Mademoiselle Rosa"/>  </body>  </html> |

### PinkMoon

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <img src="images/PinkMoon.jpg" alt="Pink Moon image" title="Pink Moon"/>  </body>  </html> |

### Starry

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <img src="images/Starry.jpg" alt="The Starry Night image" title="The Starry Night"/>  </body>  </html> |

# L2 HTML #2

## HTML Form - Dropdown lists, Radio button, Checkboxes , Text fields , Text area , Label

### HomeSearch

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Great HomeSearch</title>  <link href="style.css" rel="stylesheet" type="text/css"/>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>Welcome to Great HomeSearch!</h1>  <br>  <img src="Images/home.png" alt="home" height="150" width="400"/>  <hr/>  <h2>Sign up Now for FREE</h2>  <form name="ABCPSRegister" method="post" action="doRegister.php">  <!-- TODO: fieldset -->  <fieldset>  <legend><b>House Type</b></legend>  <!-- TODO: table -->  <table>  <tr>  <td><b>Type of House<span class="h6"><font color = "red">\*</font></b></span></td>  <!-- TODO: Dropdown List -->  <td><select name="PetType" size="1" required="required" >  <option value="">Select an option </option>  <option value="Bungalow"> Bungalow </option>  <option value="Duplex House "> Duplex House </option>  <option value="Condo "> Condo </option>  <option value="Mansion"> Mansion </option>  <option value="Cottage"> Cottage </option>  </select>  </td>  </tr>  <tr>  <td><b>Payment type:<span class="h6"><font color = "red">\*</font></b></td>  <!-- TODO: Radio buttons -->  <td><input type="radio" name="frequency" value="once" required="required"> Installment  <input type="radio" name="frequency" value="twice" > Full  </td>  </tr>  <tr>  <td><b>Available houses notification: </b></td>  <!-- TODO: Checkboxes -->  <td><input type="checkbox" name="notificationtype:[]" value="canned food" required="required"> Physical letter<br>  <input type="checkbox" name="notificationtype:[]" value="dry diet"> Email alerts<br>  <input type="checkbox" name="notificationtype:[]" value="soft moist"> Phone call  </td>  </tr>  </table>  </fieldset>  <h3><b><font color = "red">Almost there!</font><b/></h3>  <fieldset>  <legend>Owner Information</legend>  <table>  <tr>  <td>Full Name:<span class="h6"><font color = "red">\*</font></td>  <!-- TODO: Text fields -->  <td><input type="text" name="personName" size="20" maxlength="100" placeholder="Enter your full name" required="required" autofocus="autofocus"/>  </td>  </tr>  <tr>  <td>Residential Address: </td>  <!-- TODO: Text area -->  <td><textarea name="address" rows="5" cols="30" placeholder="Woodlands Road Avenue"></textarea>  </td>  </tr>  <tr>  <td>Gender<span class="h6"><font color = "red">\*</font>: </td>  <td><input type="radio" name="gender" value="male" required="required"> Male  <input type="radio" name="gender" value="female" > Female  </td>  </tr>  <tr>  <td>Email: </td>  <td><input type="email" name="email" size="20" maxlength="100" placeholder="name@example.com" required="required" >  </tr>  <tr>  <td>Date-of-birth : </td>  <!-- TODO: Calendar -->  <td><input type="date" name="Date-of-birth " placeholder="mm/dd/yyyy" required="required" ></td>  </tr>  <tr>  <td>Contact Number<span class="h6"><font color = "red">\*</font>:</td>  <td><input type="tel" name="contactnumber" placeholder="1234 5678" required="required" ></td>  </tr>  <tr>  <td>Other skills: </td>  <td><textarea name="feedback" rows="3" cols="30"></textarea></td>  </tr>  <tr>  <td>Marital status:<span class="h6"><font color = "red">\*</font></td>  <td><input type="radio" name="frequency" value="once" required="required"> Married  <input type="radio" name="frequency" value="twice" > Divorced  <input type="radio" name="frequency" value="once" required="required"> Single  </td>  </tr>  <tr>  <td>Remarks: </td>  <td>  <textarea name="remarks" rows="5" cols="30"></textarea>  </td>  </tr>  </table>  </fieldset>  <br><br>  <input type="submit" value="Submit">  <input type="reset">  </body>  </html> |

### ABC Pet Shop

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>ABC Pet Shop</title>  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h1>ABC Pet Shop!</h1>  <br>  <img src="images/Pets.jpg" alt="Petsco" height="150" width="400"/>  <img src="images/Pets.jpg" alt="Petsco" height="150" width="400"/>  <img src="images/Pets.jpg" alt="Petsco" height="150" width="400"/>  <hr/>  <h2>Sign up Now for FREE</h2>  <form name="ABCPSRegister" method="post" action="doRegister.php">  <fieldset>  <legend>Pet Information</legend>  <table>  <tr>  <td>Type of Pet:<span class="h6">\*</span></td>  <td><select name="PetType" size="1" required="required" >  <option value="">Select an option </option>  <option value="Hamster"> Hamster </option>  <option value="Rabbit"> Rabbit </option>  <option value="Cat"> Cat </option>  <option value="Dog"> Dog </option>  <option value="Birds"> Birds </option>  <option value="Fish"> Fish </option>  <option value="Others"> Others </option>  </select>  </td>  </tr>  <tr>  <td>Food Type:<span class="h6">\*</span></td>  <td><input type="checkbox" name="foodtype[]" value="canned food" required="required"> Canned Food<br>  <input type="checkbox" name="foodtype[]" value="dry diet"> Dry Diet<br>  <input type="checkbox" name="foodtype[]" value="soft moist"> Soft Moist  </td>  </tr>  <tr>  <td>Feeding Frequency:<span class="h6">\*</span></td>  <td><input type="radio" name="frequency" value="once" required="required"> Once a day  <input type="radio" name="frequency" value="twice" > Twice a day  <input type="radio" name="frequency" value="free feeding" > Free Feeding  </td>  </tr>  <tr>  <td>Remarks: </td>  <td>  <textarea name="remarks" rows="5" cols="30"></textarea>  </td>  </tr>  </table>  </fieldset>    <h3>Almost there!</h3>    <fieldset>  <legend>Owner Information</legend>  <table>  <tr>  <td>Full Name:<span class="h6">\*</span></td>  <td><input type="text" name="personName" size="20" maxlength="100" placeholder="Enter your full name" required="required" autofocus="autofocus"/>  </td>  </tr>  <tr>  <td>Residential Address: </td>  <td><textarea name="address" rows="5" cols="30" placeholder="Woodlands Road Avenue"></textarea>  </td>  </tr>  <tr>  <td>Gender<span class="h6">\*</span>: </td>  <td><input type="radio" name="gender" value="male" required="required"> Male  <input type="radio" name="gender" value="female" > Female  </td>  </tr>  <tr>  <td>Email: </td>  <td><input type="radio" name="gender" value="male" required="required"> Male  <input type="radio" name="gender" value="female" > Female</td>  </tr>    <tr>  <td>Contact Number<span class="h6">\*</span>:</td>  <td><input type="tel" name="contactnumber" placeholder="1234 5678" required="required" ></td>  </tr>  </table>  </fieldset>  <br><br>  <input type="submit" value="Submit">  <input type="reset">      </body>  </html> |

### firstExercise

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Exercise 1</title>  <link href="style.css" rel="stylesheet" type="text/css"/>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <h2>This is Exercise 1</h2>  <form name="frmRegister" method="post" action="doRegister.php">  <fieldset>    <b>  <legend> Personal Information </legend>  Full name: <input type="text" name="personName" size="20" maxlength="100" placeholder="Enter your full name" required="required" autofocus="autofocus"/>  <br><br>  Email: <input type="email" name="email" size="20" maxlength="100" placeholder="name@example.com" required="required" >  <br><br>  Quantity: <input type="number" name="quantity" min="1" max="999" placeholder="999" required="required" >  <br><br>  Books to Purchase: <select name="books" size="1" required="required" >  <option value="red hat linux"> Red Hat Linux </option>  <option value="blue hat linux"> Blue Hat Linux </option>  <option value="green hat linux"> Green Hat Linux </option>  </select>  <br><br>  Extra Additions:  <input type="checkbox" name="addition" value="gift wrap">  <label for="add1">Gift Wrap</label>  <input type="checkbox" name="addition" value="book carrier">  <label for="add2">Book Carrier</label>  <input type="checkbox" name="addition" value="book cover">  <label for="add3">Book Cover</label>  <br><br>  Special Instructions: </br>      <textarea name="feedback" rows="3" cols="30"></textarea>  <br><br>  Payment Method: <input type="radio" name="payment" value="Visa" required="required"> Visa  <input type="radio" name="payment" value="MasterCard" > MasterCard  <input type="radio" name="payment" value="American Express" > American Express  <br><br>    <input type="submit" value="Order">  <input type="reset">  </b>  </fieldset>  </form>  </body>  </html> |

# L3 **Web app, PHP codes, HTTP POST, isset () & empty()**

## Generic **PHPs**

#### doExercise3

|  |
| --- |
| <?php  $name = $\_POST['myname'];  echo "My name is $name";  ?> |

#### doExercise3a

|  |
| --- |
| <?php  $number = $\_POST['thisnum'];  if($number > 5){  echo "Number is more than 5";  } else{  echo "Number is less than or equal to 5";  }  ?> |

#### doExercise3b

|  |
| --- |
| <?php  $color = $\_POST['selColor'];  $cost = 0;    if($color == "red"){  $cost += 5;  } else if($color == "green"){  $cost += 10;  } else{  $cost += 15;  }  echo "The cost is $cost";  ?> |

#### doExercise3c

|  |
| --- |
| <?php  $gender = $\_POST['gender'];  if ($gender == "M"){  echo "You have selected Male";  } else {  echo "You have selected Female";  }  ?> |

#### doExercise4

|  |
| --- |
| <?php  $name = $\_POST['name'];  $email = $\_POST['email'];  $address = $\_POST['address'];  $postalCode = $\_POST['zipcode'];  $country = $\_POST['country'];  $foodPref = $\_POST['food'];  echo "Name: $name <br>  Email: $email <br>  Address: $address <br>  Postal Code: $postalCode <br>  Country: $country <br>  Food Preference: $foodPref ";  ?> |

#### doExercise4a

|  |
| --- |
| <?php  $weight = $\_POST['book\_weight'];  $books = $\_POST['book\_amount'];  $time = $\_POST['shipping\_time'];  $method = $\_POST['shipping\_method'];  $cost = 0;  $totalW = $books \* $weight;  $cost = $totalW \* 0.5;  if($time == "1-2"){  $cost += 40;  } else if ($time == "3-5"){  $cost += 25;  } else {  $cost += 10;  }  if($method == "air"){  $cost += 30;  } else {  $cost += 40;  }  echo "Total shipping cost: $". number\_format($cost,2);  ?> |

#### doHomework

|  |
| --- |
| <?php  $title = $\_POST['event\_title'];  $type = $\_POST['event\_type'];  $days = $\_POST['days'];  $total = 0.0;  if($type == "Corporate Meetings"){  $total += 70.0;  } else if ($type == "Conferences"){  $total += 80.0;  } else {  $total += 120.0;  }  $total += 500.0 \* $days;  if ($days > 3){  $total = $total - ($total \* 0.1);  }  echo "<span style='font-weight:bold; font-size:35;'>Event Organizer</span>";  echo"<hr/>";  echo"Event title: $title <br/>  Event type: $type <br/>  No of days: $days <br/>  <br/>  Total cost: $". number\_format($total,2).'<br/><br/><a href="homework.php">Go back to the form page</a>'; |

#### exercise1

|  |
| --- |
| <!DOCTPYE html>  <?php    $str1="Hello world";  echo $str1;    $str2="What a nice day!";  echo "<br/>".$str1." ".$str2;    ?> |

#### exercise1a

|  |
| --- |
| <?php  $color="red";  echo "The flowers are <span style='font-weight:bold;color:$color'>$color</span>";  ?> |

#### exercise1b

|  |
| --- |
| <?php  $num1 = 3;  $num2 = 5;  $result = $num1 \* $num2;  echo "The total cost is $$result";  ?> |

#### exercise2

|  |
| --- |
| <?php  $score = 60;  if($score >= 50){  echo "You passed the exam";  }  ?> |

#### exercise2a

|  |
| --- |
| <?php  $username = "johnsmith";  if($username == "sallylim"){  echo "The username matches";  } else {  echo "Invalid username";  }    ?> |

#### exercise2b

|  |
| --- |
| <?php  $score = 70;  if($score >= 80){  echo "Your grade is <span style='font-weight:bold;color:green'>A</span>";  } else if($score >= 60){  echo "Your grade is <span style='font-weight:bold;color:yellow'>B</span>";  } else {  "Your grade is <span style='font-weight:bold;color:red'>F</span>";  }  ?> |

#### exercise3

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3.php" method="post">  <input type="text" name="myname"/>  <input type="submit"/>  </form>  <?php  ?>  </body>  </html> |

#### exercise3a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3a.php" method="post">  <input type="number" name="thisnum"/>  <input type="submit"/>  </form>  <?php  // put your code here  ?>  </body>  </html> |

#### exercise3b

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3b.php" method="post">  <select name="selColor">  <option value="red" > red </option>  <option value="green" > green </option>  <option value="blue" > blue </option>  </select>  <br><br>  <input type="submit" value="Choose one"/>  </form>  <?php  // put your code here  ?>  </body>  </html> |

#### exercise3c

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3c.php" method="post">  <input type="radio" name="gender" value="M" required="required"> Male  <input type="radio" name="gender" value="F" > Female  <input type="submit"/>  </form>  <?php  // put your code here  ?>  </body>  </html> |

#### exercise4

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form method="post" action="doExercise4.php">  <label for="idName">Name<font color="red">\*</font></label>  <input type="text" id="idName" name="name" autofocus placeholder="enter your name" required><br/>  <label for="idEmail">Email<font color="red">\*</font></label>  <input type="email" id="idEmail" name="email" placeholder="enter your email" required><br/>  <label for="idAddress">Address</label>  <input type="text" id="idAddress" name="address"><br/>  <label for="idZipcode">Postal Code</label>  <input type="number" id="idZipcode" name="zipcode"  placeholder="enter a 6-digit code"><br/>  <label for="idCountry">Country</label>  <select id="idCountry" name="country">  <option value="" selected>Please select...</option>  <option value="Singapore">Singapore</option>  <option value="Malaysia">Malaysia</option>  <option value="Thailand">Thailand</option>  </select><br/>  Food Preference<font color="red">\*</font>  <input type="radio" id="idV" name="food" value="Vegetarian"><label for="idV">Vegetarian</label>  <input type="radio" id="idNV" name="food" value="Non-Vegetarian"><label for="idNV">Non-Vegetarian</label><br/>  <input type="submit" value="SEND" id="btnSubmit">&nbsp;  <input type="reset" value="CLEAR" id="btnReset">  </form>  </body>  </html> |

#### exercise4a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <h1>Buying the Books</h1>  <hr />  <form method="post" action="doExercise4a.php">  <label for="id\_book\_weight">Book weight (in kg):</label>  <input type="text" id="id\_book\_weight" name="book\_weight" autofocus /><br/>  <label for="id\_book\_amount">Number of books to buy:</label>  <input type="number" id="id\_book\_amount" size="10" name="book\_amount" /><br/>  Shipping time:  <input type="radio" id="id\_shipping\_time\_12" name="shipping\_time" value="1-2"/><label for="id\_shipping\_time\_12">1 - 2 days</label>  <input type="radio" id="id\_shipping\_time\_35" name="shipping\_time" value="3-5"/><label for="id\_shipping\_time\_35">3 - 5 days</label>  <input type="radio" id="id\_shipping\_time\_69" name="shipping\_time" value="6-9"/><label for="id\_shipping\_time\_69">6 - 9 days</label><br/>  <label for="id\_shipping\_method">Shipping method:</label>  <select id="id\_shipping\_method" name="shipping\_method">  <option value="air">air</option>  <option value="sea">sea</option>  </select><br/>  Extra additions:  <input type="checkbox" id="id\_extra\_box" name="extra[]" value="better box"/><label for="id\_extra\_box">better box</label>  <input type="checkbox" id="id\_extra\_weekend" name="extra[]" value="weekend delivery"/><label for="id\_extra\_weekend">weekend delivery</label>  <input type="checkbox" id="id\_extra\_gift" name="extra[]" value="gift wrap"/><label for="id\_extra\_gift">gift wrap</label><br/>  <input name="btnsubmit" value="Submit" type="submit">  </form>  </body>  </html> |

#### homework

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Event Abacus</title>  </head>  <body>  <form method="post" action="doHomework.php">  <h1>Event Abacus</h1>  <hr/>  <table>  <tr>  <td><label for="idTitle">Event Title<font color="red">\*</font>:</label></td>  <td><input type="text" id="idTitle" name="event\_title" autofocus placeholder="Enter event title" required><br/></td>  </tr>  <tr>  <td><label for="idType">Event Type<font color="red">\*</font>:</label></td>  <td><select id="idType" name="event\_type" size="1" required="required" >  <option value="Corporate Meetings">Corporate Meetings</option>  <option value="Conferences">Conferences</option>  <option value="Banquets">Banquets</option>  </select></td>  </tr>  <tr>  <td><label for="idNum">Number of days<font color="red">\*</font>: (between 1 to 6)</label></td>  <td><input type="number" id="idNum" name="days" min="1" max="6" required="required" ></td>  </tr>  </table>  <br/>  <input type="Submit" value="Enter"/>  <input type="reset" />  </body>  </html> |

# L4 **PHP IF statements, Functions & Arrays**

#### bottlesForm1

|  |
| --- |
| <!DOCTYPE html>  <!-- EXERCISE 4c -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="bottlesForm2.php" method="post">  <label for="idNum">No of bottles</label>  <input type="number" id="idNum" name="num" />  <br/><br/>  <input type="submit" value="Go"  </form>  </body>  </html> |

#### bottlesForm2

|  |
| --- |
| <!DOCTYPE html>  <!-- EXERCISE 4c -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="showBottles.php" method="post">  <?php  $num = $\_POST['num'];  for ($i = 1; $i <= $num ; $i++) {  ?>  <label> Colour <?php echo $i ?></label>  <select name="colour[]">  <option value="red">Red</option>  <option value="blue">Blue</option>  <option value="green">Green</option>  </select>  <label>Action <?php echo $i ?></label>  <input type="text" name="action[]"/><br/>  <?php  }  ?>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### carsForm

|  |
| --- |
| <?php  $num = 5;  ?>  <!DOCTYPE html>  <!-- EXERCISE 4 -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="showCars.php" method="post">  <?php  for ($i = 1; $i <= $num ; $i++) {  echo "Car $i";  ?>  <input type="text" name="cars[]"/>  <br><br/>  <?php  }  ?>  <input type="submit" value="Go"/>    </form>  </body>  </html> |

#### doExercise2

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  $reps = $\_POST['reps'];  for ($i = 1; $i <= $reps; $i++){  echo $i."<br/>";  } |

#### doExercise2a

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  $start = $\_POST['start'];  $end = $\_POST['end'];  for($i=$start; $i <= $end; $i++){  echo "$i x $i = ".($i\*$i)."<br/>";  } |

#### doExercise2b

|  |
| --- |
| <?php  $reps = $\_POST['reps'];  $type = $\_POST['chess'];  for($i=1; $i <= $reps; $i++){  echo "&#".$type;    } |

#### doExercise3a

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  $message = "";  if(isset($\_POST['fruits'])){  //checkboxes are stored into an array  $fruitArray = $\_POST['fruits'];    $message .= "The selected fruits are: ";  for($i = 0; $i < count($fruitArray); $i++){  $message.=" ".$fruitArray[$i];  }  }  else{  $message.= "You have not selected any fruits";  }  echo $message;  ?> |

#### doExercise3b

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  $carList = $\_POST['cars'];  for($i=0; $i < count($carList); $i++){  echo strtolower($carList[$i])."<br/>";    } |

#### doExercise3c

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  $colourList = $\_POST['colour'];  for($i=0; $i < count($colourList); $i++){  echo "<span style='color:$colourList[$i]'>";  echo $i+1 . " " . $colourList[$i] . " bottle hanging on the wall <br/>";  echo "</span>";  }  ?> |

## Fixed Loops

#### exercise1

|  |
| --- |
| <?php  for($i = 1; $i <= 10; $i++){  echo $i."";  }  ?> |

#### exercise1b

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  for($x = 1; $x <= 0; $x++){  echo $x." ";  if($x%2 == 0){  echo "even<br>";  }  else{  echo "odd<br>";  }  }  ?> |

#### exercise1c

|  |
| --- |
| <?php  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  for($i = 1; $i <= 8; $i++){  for($j = 1; $j <= 8; $i++){  echo"\*";  }  echo"<br>";  }  echo "<br>";  for($i = 1; $i <= 8; $i++){  for($j = 1; $j <= $i; $i++){  echo"\*";  }  echo"<br>";  }  ?> |

## Dynamic Loops

#### exercise2

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise2.php" method="post">  <label for="idReps">Enter repetition</label>  <input type="number" id="idReps" name="reps" />  <br/><br/>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### exercise2a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise2a.php" method="post">  <label for="idStart">Enter start</label>  <input type="number" id="idStart" name="start" />  <br/><br/>  <label for="idEnd">Enter end</label>  <input type="number" id="idEnd" name="end" />  <br/><br/>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### exercise2b

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise2b.php" method="post">  <label for="idReps">Enter repetition</label>  <input type="number" id="idReps" name="reps" />  <br/><br/>  Select chess to repeat:  <input type="radio" name="chess" value="9818"/>&#9818;  <input type="radio" name="chess" value="9819"/>&#9819;  <input type="radio" name="chess" value="9820"/>&#9820;  <input type="radio" name="chess" value="9822"/>&#9822;  <br/><br/>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

## Arrays and String functions

#### exercise3

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  $fruitArray = array("apple","orange","pineapple");    for ($i = 0; $i < count($fruitArray); $i++) {  echo $fruitArray[$i] . " (" . strlen($fruitArray[$i]).")<br/>";  }      ?>  </body>  </html> |

#### exercise3a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3a.php" method="post" >  Pick your favorite fruits (can choose multiple):<br/>  <input type="checkbox" name="fruits[]" value="apple"/>apple  <input type="checkbox" name="fruits[]" value="orange"/>orange  <input type="checkbox" name="fruits[]" value="grape"/>grape  <br/>  <input type="submit"/>  </form>  </body>  </html> |

#### exercise3b

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3b.php" method="post">  <label for="idCar1">Car 1</label>  <input type="text" id="idCar1" name="cars[]" />  <br/><br/>  <label for="idCar2">Car 2</label>  <input type="text" id="idCar2" name="cars[]" />  <br/><br/>  <label for="idCar3">Car 3</label>  <input type="text" id="idCar3" name="cars[]" />  <br/><br/>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### exercise3c

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="doExercise3c.php" method="post">  <h2>Select the colour of each bottle</h2>  <label for="idBottle1">Bottle 1</label>  <select id="idBottle1" name="colour[]">  <option value="red">Red</option>  <option value="blue">Blue</option>  <option value="green">Green</option>  </select>  <br/>  <label for="idBottle2">Bottle 2</label>  <select id="idBottle2" name="colour[]">  <option value="red">Red</option>  <option value="blue">Blue</option>  <option value="green">Green</option>  </select>  <br/>  <label for="idBottle3">Bottle 3</label>  <select id="idBottle3" name="colour[]">  <option value="red">Red</option>  <option value="blue">Blue</option>  <option value="green">Green</option>  </select>  <br/>  <input type="submit" value="Enter"/>  </form>  </body>  </html> |

#### fruitsForm

|  |
| --- |
| <?php  $num = 5;  ?>  <!DOCTYPE html>  <!-- EXERCISE 4a -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="showFruits.php" method="post">  <?php  for ($i = 1; $i <= $num ; $i++) {  echo "Fruit $i";  ?>  <input type="text" name="fruits[]"/>  <br><br/>  <?php  }  ?>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### fruitsForm1

|  |
| --- |
| <!DOCTYPE html>  <!-- EXERCISE 4b -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="fruitsForm2.php" method="post">  <label for="idNum">No of fruits</label>  <input type="number" id="idNum" name="numF" />  <br/><br/>  <input type="submit" value="Go"  </form>  </body>  </html> |

#### fruitsForm2

|  |
| --- |
| <?php  $num = $\_POST['numF'];  ?>  <!DOCTYPE html>  <!-- EXERCISE 4b -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="showFruits2.php" method="post">  <?php  for ($i = 1; $i <= $num ; $i++) {  echo "Fruit $i";  ?>  <input type="text" name="fruits[]"/>  <br><br/>  <?php  }  ?>  <input type="submit" value="Go"/>  </form>  </body>  </html> |

#### Index

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  for($i = 1; $i <= 10; $i++){  echo $i." ";  }  echo "<br/>";    // -2 -1 0 1 2  for($i = -2; $i <= 2; $i++){  echo $i." ";  }  echo "<br/>";    // 1 2 3 4 5 6  for($i = 1; $i <= 6; $i++){  echo $i." ";  }  echo "<br/>";    // 2 4 6 8 10 12  for($i = 2; $i <= 12; $i+= 2){  echo $i." ";  }  echo "<br/>";    // 12 8 4 0 -4  for($i = 12; $i >= -4; $i-= 4){  echo $i." ";  }  ?>    </body>  </html> |

#### lyricsForm1

|  |
| --- |
| <!DOCTYPE html>  <!-- Problem Statement-->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="lyricsForm2.php" method="post">  <h2>Create Your Lyrics</h2>  <hr>  <label for="idNum">Number of verses</label>  <input type="number" id="idNum" name="num" />  <br/>  <input type="submit" value="Submit"/>  </form>  </body>  </html> |

#### lyricsForm2

|  |
| --- |
| <!DOCTYPE html>  <!-- Problem Statement-->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form action="showLyrics.php" method="post">  <h2>Create Your Lyrics</h2>  <hr>  <?php  $num = $\_POST['num'];  for ($i = 1; $i <= $num ; $i++) {  ?>  <label> Create verse <?php echo $i ?> :</label>  <select name="start[]">  <option value="I want">I want</option>  <option value="I'd like to">I'd like to</option>  <option value="Let's do">Let's do</option>  <option value="Can we">Can we</option>  </select>    <input type="text" name="verse[]"/><br/>  <?php  }  ?>  Additional words for verses:<br/>  <input type="checkbox" id="id\_yeah" name="Yeah" value="Yeah"/><label for="id\_yeah">Yeah</label>  <input type="checkbox" id="id\_great" name="Great" value="Great"/><label for="id\_great">Great</label>  <br/><br/>  <input type="submit" value="Submit"/>    </body>  </html> |

#### showBottles

|  |
| --- |
| <?php  /\* Exercise 4c \*/  $colourList = $\_POST['colour'];  $actionList = $\_POST['action'];  for($i = 0; $i < count($colourList); $i++){  echo ($i + 1) . " " . $colourList[$i];  echo " bottle " . strtolower($actionList[$i]) . " on the wall<br/>";  }  ?> |

#### showCars

|  |
| --- |
| <?php  /\* EXERCISE 4 \*/  $carList = $\_POST['cars'];  for ($i = 0; $i < count($carList); $i++){  echo strtolower($carList[$i] . "<br/>");  }  ?> |

#### showFruits

|  |
| --- |
| <?php  /\* EXERCISE 4a \*/  $fruitList = $\_POST['fruits'];  for ($i = 0; $i < count($fruitList); $i++){  echo strtoupper($fruitList[$i] . "<br/>");  }  ?> |

#### showFruits2

|  |
| --- |
| <?php  /\* EXERCISE 4b \*/  $fruitList = $\_POST['fruits'];  for ($i = 0; $i < count($fruitList); $i++){  echo strtoupper($fruitList[$i] . "<br/>");  }  ?> |

#### showLyrics

|  |
| --- |
| <?php  /\* Problem Statement \*/  $startArray = $\_POST['start'];  $verseArray = $\_POST['verse'];    echo'Come sing with me <br/>';  echo'<br/>';    for($i = 1;$i <= count($startArray);$i++){  echo strtoupper($startArray[$i - 1 ]). " " .strtolower($verseArray[$i -1]).'<br/>';  if(isset($\_POST['Yeah']) && isset($\_POST['Great'])){  if($i % 2 == 1){  echo'yeah';  echo'<br/>';  }else{  echo'great';  echo'<br/>';  }  }else if(!isset ($\_POST['Yeah']) && isset($\_POST['Great'])){  if($i % 2 != 0){  echo'great';  echo'<br/>';  }else{  echo'<br/>';  }}else{  if($i % 2 != 0){  echo'yeah';  echo'<br/>';  }else{  echo'<br/>';  }    }  } |

# L5 **PHP and MySQL**

#### deleteReview

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <h2>Delete Restaurant Review</h2>  <form method="post" action="doDeleteReview.php">  <label for="idRest">Restaurants:</label>  <select id="idRest" name='restName' />  <option value="1">Our Place At Three-West</option>  <option value="2">Great Mouse Cook</option>  <option value="3">Fine Chicken Corner</option>  </select>  <br/><br/>  <input type="submit" value="Delete All Review for the Restaurant"/>  </body>  </html> |

#### doDeleteReview

|  |
| --- |
| <?php  $delete = $\_POST['restName'];  $message = "";  $host="localhost";  $user="root";  $pass="";  $db="c203\_p05";  //open connection  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  $query = "DELETE FROM reviews WHERE reviews.rest\_id = '$delete' ";  //execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  //process the result  if($result){  $message="All Reviews for the Restaurant are deleted";    }  else{  $message= "record insertion failed";  }  //close connection  mysqli\_close($link);  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  echo $message;  ?>  </body>  </html> |

## PHP and MySQL - INSERT

#### doExercise2

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $theName= $\_POST['memberName'];  $message = "";    $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";    // open connectin  $link = mysqli\_connect($host, $user, $pass, $db);    //build sql query  $query = "INSERT INTO members(name, points) VALUES('$theName',100)";    // execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');    // process the result  if ($result){  $message = "record inserted successfully";  }  else{  $message= "record insertion failed";  }    // close connection  mysqli\_close($link);  echo $message;  ?>  </body>  </html> |

#### doExercise2a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $theTitle= $\_POST['movieTitle'];  $theDuration = $\_POST['movieDuration'];  $message = "";    $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";    // open connectin  $link = mysqli\_connect($host, $user, $pass, $db);    //build sql query  $query = "INSERT INTO movies(title,duration\_minutes) VALUES('$theTitle','$theDuration')";    // execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');    // process the result  if ($result){  $message = "record inserted successfully";  }  else{  $message= "record insertion failed";  }    // close connection  mysqli\_close($link);  echo $message;  ?>  </body>  </html> |

#### doExercise3

|  |
| --- |
| <?php  $name = $\_POST['memberName'];  $message = "";  $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";  // open connectin  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  $query = "SELECT \* FROM members WHERE name = '$name'";  // execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  // close connection  mysqli\_close($link);  $row = mysqli\_fetch\_array($result);  $message = "";  if (!empty($row)) {  $name = $row['name'];  $points = $row['points'];  $message .= "Name: $name<br/>Points: $points";  } else {  $message .= "no matching record found";  }  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title></title>  </head>  <body>  <?php echo $message; ?>  </body>  </html> |

#### doExercise3a

|  |
| --- |
| <?php  $Title = $\_POST['movieTitle'];  $message = "";  $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";  // open connectin  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  $query = "SELECT \* FROM movies WHERE title = '$Title'";  // execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  // close connection  mysqli\_close($link);  $row = mysqli\_fetch\_array($result);  $message = "";  if (!empty($row)) {  $Title = $row['title'];  $time = $row['duration\_minutes'];  $message .= "Movie Title: $Title<br/>Movie Duration: $time";  } else {  $message .= "no matching record found";  }  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php echo $message; ?>  </body>  </html> |

#### doInsertPrice

|  |
| --- |
| <?php  $name = $\_POST['itemName'];  $price = $\_POST['itemPrice'];  $message = "";  $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";  //open connection  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  $query = "INSERT INTO price\_list(name, price) VALUES('$name','$price')";  //execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  //process the result  if ($result) {  $message .= "Item Name: $name<br/>";  $message .= "Item Price: $price<br/>";  $message .= "Successfully inserted";  } else {  $message = "Record Insertion Failed";  }  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  echo $message;  ?>  </body>  </html> |

#### doInsertReview

|  |
| --- |
| <?php  $theName = $\_POST['restaurant'];  $rating = $\_POST['rating'];  $comment = $\_POST['comment'];  $message = "";  $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";  //open connection  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  $query = "INSERT INTO reviews(rest\_id, rating, comment) VALUES('$theName','$rating','$comment')";  //execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  //process the result  if ($result) {  $message = "Rating: $rating";  $message .= "<br>Comment: $comment";  $message .= "<br><h3>Review Submitted Successfully</h3>";  } else {  $message = "record insertion failed";  }  //close connection  mysqli\_close($link);  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  echo $message;  ?>  </body>  </html> |

#### doSearchReview

|  |
| --- |
| <?php  $name = $\_POST['restaurantName'];  $message = "";  $host = "localhost";  $user = "root";  $pass = "";  $db = "c203\_p05";  // open connectin  $link = mysqli\_connect($host, $user, $pass, $db);  //build sql query  if (!empty($name)) {  $query = "SELECT \* FROM restaurants, reviews WHERE restaurants.rest\_id = reviews.rest\_id AND restaurants.name = '$name";  } else {  $query = "SELECT \* FROM restaurants, reviews WHERE restaurants.rest\_id = reviews.rest\_id";  }  // execute sql query  $result = mysqli\_query($link, $query) or die('Error querying database');  // close connection  mysqli\_close($link);  $row = mysqli\_fetch\_array($result);  $message = "";  if (!empty($row)) {  $name = $row['name'];  $rating = $row['rating'];  $comments = $row['comment'];  $message .= "Name: $name<br/><br/>Points: $rating <br/><br/> Comment: $comments";  } else {  $message .= "no matching record found";  }  ?>  <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php echo $message; ?>  </body>  </html> |

#### exercise2

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  ?>  <form method="post" action="doExercise2.php">  <input type="text" name="memberName"/>  <input type="submit" value="Insert Member"/>  </form>  </body>  </html> |

#### exercise2a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  ?>  <form method="post" action="doExercise2a.php">  <label for="idTitle">Movie title: </label>  <input type="text" id="idTitle" name="movieTitle"/>  <br/><br/>  <label for="idDuration">Movie duration (minutes): </label>  <input type="number" id="idDuration"name="movieDuration"/>  <br/><br/>  <input type="submit" value="Insert Movie"/>  </form>  </body>  </html> |

## PHP and MySQL - SELECT statement in PHP processing page

#### exercise3

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  ?>  <h2>Search for member based on name</h2>  <form name="frmSearch" method="post" action="doExercise3.php">  <label for="idMemberName">Name :</label>  <input id="idMemberName" type="text" name="memberName"/>  <br/><br/>  <input type="submit" value="Search"/><br/>  </form>  </body>  </html> |

#### exercise3a

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <h2>Search for movie based on title</h2>  <form name="frmSearch" method="post" action="doExercise3a.php">  <label for="idMovieTitle">Title :</label>  <input id="idMovieTitle" type="text" name="movieTitle"/>  <br/><br/>  <input type="submit" value="Search"/><br/>  </form>  </body>  </html> |

#### insertPrice

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form name="frmSearch" method="post" action="doInsertPrice.php">  <label for="idItem">Item Name: </label>  <input id="idItem" type="text" name="itemName"/>  <br/>  <label for="idPrice">Price: </label>  <input id="idPrice" type="text" name="itemPrice"/>  <br/>  <input type="submit" value="Insert Item"/><br/>  </form>  </body>  </html> |

#### insertReview

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <h2>Insert Restaurant Review</h2>  <form method="post" action="doInsertReview.php">  <label for="idRest">Name:</label>  <select id="idRest" name='restaurant' />  <option value="1">Our Place At Three-West</option>  <option value="2">Great Mouse Cook</option>  <option value="3">Fine Chicken Corner</option>  </select>  <br/><br/>  <label for="idRating">Your Rating:</label>  <input type="radio" id="idRating" name="rating" value="1"> 1  <input type="radio" name="rating" value="2"> 2  <input type="radio" name="rating" value="3"> 3  <input type="radio" name="rating" value="4"> 4  <input type="radio" name="rating" value="5"> 5  <br/><br/>  Comment:  <textarea name="comment" rows="6" cols="25"/></textarea>  <br/><br/>  <input type="submit" value="Add Review"/><br/>  </form>  </body>  </html> |

#### searchReview

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <h2>Search for Latest Restaurant Review</h2>  <form name="frmSearch" method="post" action="doSearchReview.php">  <label for="idRestaurant">Restaurant Name:</label>  <input id="idRestaurant" type="text" name="restaurantName"/>  <br/><br/>  <input type="submit" value="Search"/><br/>  </form>  </body>  </html> |

#### ticketing web

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <fieldset>  <legend>Ticketing App</legend>  Name  <input name ="purchsaser" type="text" required="required"  placeholder="Purchaser name">  Adult($16)  <select name="adult">  <option value ="1" >1</option>  <option value ="2" >2</option>  <option value ="3" >3</option>  </select>  Child($8)  <select name="Child">  <option value ="1" >1</option>  <option value ="2" >2</option>  <option value ="3" >3</option>  </select>  </fieldset>  <br>  <input type="submit" value="Calculate">  <input type ="reset" value="Clear">  </form>  </body>  </html> |

# L6 **CSS #1**

## Internal CSS

#### ex1aInternal

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 1a Internal</title>  <style>  body{  background-color: cyan;  }  h1{  color: blue;    }    </style>  </head>  <body>  One line of text  <h1>Hello there</h1>  </body>  </html> |

#### ex1bInternal

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 1b Internal</title>  <style>  /\* body{  background-color: cyan;  }  h2{  color: blue;  margin-left: 40px;  border: 1px solid black;  }\*/  body{  background-color: cyan;  }  h2{  color: blue;  margin-left: 40px;  border:1px solid black;  }  </style>  </head>  <body>  One line of text  <h2>Hello there</h2>  </body>  </html> |

#### ex1cInternal

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 1c Internal</title>  <style>  div{  background-color: cyan;  text-align: center;  font-family: "Century Gothic";  }  p{  color: blue;  border: 1px solid black;  padding-left: 40px;  padding-top: 30px;  margin-left: 20px;  margin-top: 25px  }  </style>  </head>  <body>  Normal text  <p>Paragraph text</p>  One line of text  <div>Text on div element</div>  <p>Another paragraph text</p>  Another text  </body>  </html> |

## Inline CSS

#### ex2aInline

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 2a Inline</title>  </style>  </head>  <body>  One line of text  <h1 style="color: blue;">Hello there</h1>  <p>A paragraph</p>  <p style="font-weight: bold;">Another paragraph</p>  </body>  </html> |

#### ex2bInline

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  One line of text  <h1 style="color: blue; text-align: center;">Hello there</h1>  <p>A normal paragraph</p>  <p style="font-weight: bold;">A bold paragraph</p>  <p style="font-style: italic">An italic paragraph</p>  </body>  </html> |

#### ex2cInternalInline

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 2c Internal/Inline</title>  <style>  p{  color: red;  background-color: cyan;  }  </style>  </head>  <body>  One line of text  <h1 style="color: blue; ">  Hello there  </h1>  <p>A paragraph</p>  <p style="color: green; font-weight: bold; font-style: italic;">  Another paragraph  </p>  <br/>  </body>  </html> |

#### ex3aExternal

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 3a External</title>  <link href="ex3aStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  One line of text  <h2>Hello there</h2>  <p>A paragraph</p>  <p>Another paragraph</p>  <h2>Another heading 2</h2>  <br/>  </body>  </html> |

## External CSS

#### ex3aStylesheet

|  |
| --- |
| body{  color: coral;  }  h2{  color: lightgreen;  text-align: center;  }  p{  font-size: 20px;  font-family: "Century Gothic";  } |

#### ex3bExternal

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 3b External</title>  <link href="ex3bStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  One line of text  <h2>Hello there</h2>  <p>A paragraph</p>  <p>Another paragraph</p>  <br/>  <div>text using div element</div>  </body>  </html> |

#### ex3bStylesheet

|  |
| --- |
| body{  background-color: coral;  }  h2{  color: white;  text-align: center;  }  p{  font-size: 14px;  margin: 20px;  padding: 10px;  font-family: "Century Gothic";  border: 2px solid blue;  }  div{  color:cyan;  margin-left: 50px;  font-size: 30px;  } |

#### ex3cCombination

|  |
| --- |
| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 3b External</title>  <link href="ex3cStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  One line of text  <h2>Header 2 text</h2>  <p>This paragraph is affected by external and internal stylesheet</p>  <p>This paragraph is affected by external and internal stylesheet</p>  <br/>  <p>This paragraph is affected by incline stylesheet</p>  <div>text using div element</div>  </body>  </html> |

#### ex3cStylesheet

|  |
| --- |
| body{  background-color: cyan;  }  h2{  color: black;  text-align: center;  }  p{  font-size: 14px;  margin: 20px;  padding: 10px;  font-family: "Century Gothic";  border: 2px solid red;  }  div{  color:cyan;  margin-left: 50px;  font-size: 30px;  } |

#### ex4aClassSelector

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Exercise 4a Class Selector</title>  <link href="ex4aStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  One line of text  <p class="bigText">Another line of text</p>  <p>A paragraph</p>  <p class="smallText">Another paragraph</p>  <br/>  <div>text using div element</div>  </body>  </html> |

#### ex4aStylesheet

|  |
| --- |
| .bigText{  font-size:20px;  font-weight: bold;  }  .smallText{  font-size: 10px;  color: red;  } |

#### ex4bIDSelector

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <link href="ex4bStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  <div id="header">Header text</div> </br>  <div id="mainContent">content text</div></br>  <div id="footer">Footer text</div></br>  </body>  </html> |

#### ex4bStylesheet

|  |
| --- |
| #header{  font-size: 20px;  font-weight: bold;  }  #footer{  font-size:20px;  font-style:italic;  }  #mainContent{  font-size: 14px;  } |

#### ex4cAllSelectors

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <link href="ex4cStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  <p>First line</p>  <h3>Header text</h3>  <h3 class="fancy">Another header text</h3>  <p class="mediumText">A paragraph with medium text</p>  <p class="fancy">Another paragraph</p>  <br/>  <div id="content">text using div element</div>  <div class="fancy">another text using div element</div>  <p id="importantNote">an important note</p>  </body>  </html> |

#### ex4cStylesheet

|  |
| --- |
| body{  background-color: yellow;  }  h3{  color: blue;  text-align: right;  }  .mediumText{  font-size: 16px;  }  .fancy{  color: red;  font-size: 14px;  font-style: italic;  }  #content{  font-size: 12px;  font-weight: bold;  }  #importantNote{  background-color:lightgreen;  font-size: 16px;  text-decoration: underline;  } |

## PS

#### Problem

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Problem</title>  <link href="problemStylesheet.css" rel="stylesheet" type="text/css"/>  </head>  <body>  <h1 id="nuclear">&#9762; Chernobyl Nuclear Power Plant </h1>  <br></br>  <h1>Contact Form :</h1>  <fieldset id="bg1">  Your name: <br/>  <input id="idName" type="text" name="name" />  <br/>  Email Address: <br/>  <input id="idEmail" type="email" name="email" />  <br/>  Subject: <br/>  <input id="idSubject" type="text" name="subject" />  <br/>  </fieldset>  <br></br>  <fieldset id="bg2">  Message:  <br/>  <textarea id="idFeedback" rows="8" cols="20" name="feedback">  </textarea>  <br/><br/>  </fieldset>  <br/><br/>  <input id="submitbtn" type="submit" value="Submit Form" /></b>  </form>  </body>  </html> |

#### problemStylesheet

|  |
| --- |
| #nuclear {  color:red;  }  #submitbtn{  color:black;  background: orange;  font-family: arial;  }  form {  margin:left;  background-color: whitesmoke;  font-family: Tahoma, Geneva, sans-serif;  font-size: 100px;  line-height: 24px;  font-weight: bold;  color:darkblue;  padding:10px;  border: 20px solid black;  }  #bg1 {  background: orange;  }  #bg2 {  border-radius: 30px;  background: #81D8D0 ;  }  input {  width:375px;  display:block;  border: 1px solid black;  height: 25px;  }  textarea#idFeedback {  width:675px;  height:250px;  } |

# L7 Table , DIV , CSS #2

## Using HTML Table to Structure a Webpage

#### HTMLTable1

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Table 1</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <table border ="1">  <tr>  <td>Cell 1</td>  <td>Cell 2</td>  </tr>  </table>  <br><br>  <table border="1">  <tr>  <td>Cell 1</td>  </tr>  <tr>  <td>Cell 2</td>  </tr>  </table>  <br><br>  <table border="1">  <tr>  <td>Cell 1</td>  <td>Cell 2</td>  </tr>  <tr>  <td>Cell 3</td>  <td>Cell 4</td>  </tr>  <tr>  <td>Cell 5</td>  <td>Cell 6</td>  </tr>  </table>  </body>  </html> |

#### HTMLTable2

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Table 2</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  </head>  <body>  <table border="1">  <tr>  <td colspan="2">Some</td>  </tr>  <tr>  <td>Are</td>  <td>Here</td>  </tr>  </table>  <br><br>  <table border="1">  <tr>  <td>Some</td>  <td>Are</td>  </tr>  <tr>  <td colspan="2">Here</td>  </tr>  </table>  <br><br>  <table border="1">  <tr>  <td rowspan="2">Some</td>  <td>Are</td>  </tr>  <tr>  <td>Here</td>  </tr>  </table>  <br><br>  <table border="1" >  <tr>  <td>Some</td>  <td>Text</td>  <td>Are</td>  </tr>  <tr>  <td colspan="3">Here</td>  </tr>  </table>  <br><br>  <table border="1" >  <tr>  <td rowspan="2">Some</td>  <td>Text</td>  <td>Are</td>  </tr>  <tr>  <td colspan="2">Here</td>  </tr>  </table>  <br><br>  <table border="1" >  <tr>  <td rowspan="2">Some</td>  <td>Text</td>  </tr>  <tr>  <td>Are</td>  </tr>  <tr>  <td colspan="2">Here</td>  </tr>  </table>  </body>  </html> |

#### HTMLTable3

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Table 3</title>  <style>  table, th, td {  border: 1px solid black;  border-collapse: collapse;  }  th, td {  padding: 15px;  }  </style>  </head>  <body>  <table border="1">  <tr>  <td>Table cell 1</td><td>Table cell 2</td>  </tr>  </table>  <br/>  <table border="1">  <tr>  <th>Table header</th><th>Table header</th>  </tr>  <tr>  <td>Table cell</td><td>Table cell</td>  </tr>  <tr>  <td>Table cell</td><td>Table cell </td>  </tr>  </table>  </body>  </html> |

#### HTMLTable4a

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Table 4a</title>  <style>  table, th, td {  border: 1px solid black;  border-collapse: collapse;  border-spacing: 0px;  padding: 4px;  text-align: left;  height: 100%;  }  </style>  </head>  <body>  <table>  <tr>  <th>Name</th>  <th>ID</th>  <th>Favorite Color</th>  </tr>  <tr>  <td>Jim</td>  <td>00001</td>  <td>Blue</td>  </tr>  <tr>  <td>Sue</td>  <td>00002</td>  <td>Red</td>  </tr>  <tr>  <td>Barb</td>  <td>00003</td>  <td>Green</td>  </tr>  </table>  </body>  </html> |

#### HTMLTable4b

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Table 4b</title>  <style>  th{  width: 4rem;  height: 2rem;  border: 1px solid lightgray;  text-align: center;  background-color: lightblue;  border-color: white;  }  td{  width:4rem;  height:2rem;  border: 1px solid lightgray;  text-align: center;  }    </style>  </head>  <body>  <table>  <tr>  <th>1</th>  <th>2</th>  <th>3</th>  <th>4</th>  <th>5</th>  </tr>  <tr>  <th>2</th>  <td>4</td>  <td>6</td>  <td>8</td>  <td>10</td>  </tr>  <tr>  <th>3</th>  <td>6</td>  <td>9</td>  <td>12</td>  <td>15</td>  </tr>  <tr>  <th>4</th>  <td>8</td>  <td>12</td>  <td>16</td>  <td>20</td>  </tr>  <tr>  <th>5</th>  <td>10</td>  <td>15</td>  <td>20</td>  <td>25</td>  </tr>  </table>  </body>  </html> |

## Using DIV element to structure a Webpage

#### div1

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>div 1</title>  <style>  .simple {  background-color: cyan;  width: 300px;  }  .simple2{  background-color: cyan;  width: 300px;  border: 2px solid red;  }  </style>  </head>  <body>  <div class="simple">  <p>Hello world!</p>  <p>Welcome to the world of divs.</p>  </div>  <div class="simple2">  <p>Hello world!</p>  <p>This is under another div element.</p>  </div>  </body>  </html> |

#### div2

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>div 2</title>  <style>  .quoteBox {  border: 4px solid black;  width: 600px;  padding: 10px;  overflow: auto;  }  .featured {  background-color: lightblue;  padding: 5px;  font-style: italic;  font-size: 1.25em;  margin-top: 10px;  margin-right: 10px;  width: 200px;  float: left;  }  .featured1 {  background-color: lightpink;  padding: 5px;  font-style: italic;  font-size: 1.25em;  margin-top: 10px;  margin-right: 10px;  width: 200px;  float: right;  }  .featured2 {  background-color: lightgreen;  padding: 5px;  font-style: italic;  font-size: 1.25em;  float: left;  }  .author {  font-style: italic;  float:right;  clear: both;  }  </style>  </head>  <body>  <div class="quoteBox">  <div class="featured">  Sed ut perspiciatis unde omnis iste natus error sit  volupta accusant doloremque laudantium.</div>  <div class="featured1">  Sed ut perspiciatis unde omnis iste natus error sit  volupta accusant doloremque laudantium.</div>  <p>...At vero eos et accusamus et iusto odio dignissimos ducimus  qui blanditiis praesentium voluptatum deleniti atque corrupti  quos dolores et quas molestias excepturi sint occaecati cupiditate  non provident, similique sunt in culpa qui officia deserunt mollitia  animi, id est laborum et dolorum fuga.  </p>  <div class="author">-- Someone, 1986</div>  <div class="featured2">  Sed ut perspiciatis unde omnis iste natus error sit  volupta accusant doloremque laudantium.</div>  </div>  </body>  </html> |

#### div3

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>div 3</title>  <style>  #header, #footer {  padding:5px; height: 50px; background-color: darkgray; color:white  }  #leftColumn, #content, #rightColumn {  height: 300px; padding: 50px 0;  }  #leftColumn p, #content p, #rightColumn p {  font-weight: bold  }  #leftColumn {  background-color:lightgray;  }  #content {  background-color:white;  }  #rightColumn {  background-color:lightgray;  }  #container {  width: 960px;  margin: 0 auto;  }  #leftColumn {  float: left;  width: 240px;  }  #content {  float: left;  width: 480px;  }  #rightColumn {  float: left;  width: 240px;  }  #footer {  clear: both;  }  </style>  </head>  <body>  <div id="container">  <div id="header">  <p>Header</p>  </div>  <div id="leftColumn">  <p>left column</p>  </div>  <div id="content">  <p>Main content</p>  </div>  <div id="rightColumn">  <p>right column</p>  </div>  <div id="footer">  <p>Footer</p>  </div>  </div>  </body>  </html> |

#### div4

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>div 4</title>  <style>  h2{  margin: 12px 0;  font-weight: bold;  text-transform: uppercase;  border-bottom: 1px solid #999999;  }  .row1{  -webkit-column-count: 4;  -moz-column-count: 4;  column-count: 4;  -webkit-column-gap: 30px;  -moz-column-gap: 30px;  column-gap: 30px;  -webkit-column-rule: 1px solid #999999;  -moz-column-rule: 1px solid #999999;  column-rule: 1px solid black;  }  .row2{  -webkit-column-count: 3;  -moz-column-count: 3;  column-count: 3;  -webkit-column-gap: 30px;  -moz-column-gap: 30px;  column-gap: 30px;  -webkit-column-rule: 1px solid lightgray;  -moz-column-rule: 1px solid lightgray;  column-rule: 1px solid lightgray;  }  .row3{  -webkit-column-count: 4;  -moz-column-count: 4;  column-count: 4;  -webkit-column-gap: 30px;  -moz-column-gap: 30px;  column-gap: 30px;  -webkit-column-rule: 1px dotted #999999;  -moz-column-rule: 1px dotted #999999;  column-rule: 1px dotted #999999;  }  </style>  </head>  <body>  <div class="row1">  <h2>This is a subheading Title</h2>  <p>Dignissim tristique a, auctor massa in nascetur lundium,  nascetur mid integer dis et egestas rhoncus ac aliquet turpis integer  velit, est dolor porttitor auctor, elementum porta sit tristique urna ac  proin odio, habitasse ridiculus, non nunc nisi ac integer ultricies vel  ac, phasellus ac? Scelerisque, ac sagittis sociis vel dictumst! Ac odio,  dis placerat mus platea odio a in arcu!</p>  </div>  <br/>  <div class="row2">  <h2>This is a subheading Title</h2>  <p>Turpis purus aliquet. Habitasse placerat odio ac sociis mid,  auctor cursus parturient eros! Lundium, vut, urna ridiculus?  Penatibus ac et mus elementum. Sed magna augue, velit odio magna  pellentesque a, lacus, aliquam elementum, in massa! Dapibus turpis,  placerat purus, lectus in sagittis porta massa aenean!  Turpis enim non adipiscing lundium parturient, a natoque egestas.  Mid dictumst porta. Risus lorem aliquam velit mid, placerat! Et lectus  sociis scelerisque ac turpis. Magna porta? Augue, augue in. Porta dolor,  et amet, ac. Cum scelerisque tincidunt dignissim in, pellentesque  habitasse! Elit? Mus porttitor in a nec, augue! Elit nisi purus? Porta platea integer. Mus porttitor in a nec, augue! Elit nisi purus? Porta platea integer.</p>  </div>  <br/>  <div class="row3">  <h2>This is a subheading Title</h2>  <p>Cum porta risus odio tincidunt? Ultrices, nascetur lundium  tincidunt ridiculus? Enim nisi ac nec nec vel in ac pid ultricies  nunc, cras porta ultrices. Hac lacus nisi non! Ut turpis, tempor eros?  Tortor et, platea turpis scelerisque duis porttitor augue ridiculus nec  et mid, sociis? Est ac a? Arcu elementum eros in ultrices dignissim  pulvinar tincidunt elementum, hac platea hac. Purus et egestas vel,  elementum facilisis, turpis sit augue ultricies, porta augue, enim massa  cursus ac augue! Porta sed cras. Ut a augue ac in, dis pulvinar? Cras  amet aenean magna adipiscing turpis mattis purus placerat, placerat nunc  placerat urna. Mus porttitor in a nec, augue! Elit nisi purus? Porta  platea integer. Elit nisi purus? Porta platea integer.  </p>  </div>  </body>  </html> |

## PS ( Table , DIV & CSS )

#### Home

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Home(PS)</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <style>  #header,#footer{  padding:5px; height:30px;background:black;  }  #header p{  font-family: Times New Roman;  font-size: 24px;  color: lightgreen;  font-style: italic;  font-weight: bold;  margin-top:0px;  background-color: black;  }  .row1,.row2,.row3{  padding:10px;  line-height:22px;  }  .row1 {  column-count: 3;  column-gap: 20px;  column-rule: 1px dotted gray;  }  .row2{  column-fill: auto;  column-count: 4;  column-gap: 5px;  column-gap: 30px;  column-rule: 1px dotted gray;  }  .row3{  column-fill: auto;  column-count: 4;  width: 700px;  float:left;  column-gap: 10px;  column-rule: 1px solid black;  }  h2{  margin: 11px;  font-weight:bold;  text-transform: uppercase;  border-bottom: 1px solid gray;  }  td,th{  width: 4rem;  height: 2rem;  border: 1px solid lightgray;  text-align: center;  }  th{  background-color: lightblue;  border-color: white;  }  table{  clear: right;  float: right;  padding:10px;  }  #footer p{  font-family: Times New Roman;  font-size: 20px;  font-style: italic;  font-weight: bold;  color: lightgreen;  margin-top: 0px;  background-color: black;  }  #footer{  clear: both;  }  </style>  </head>  <body>  <div id="container">  <div id="header">  <p>Campus Monthly - Issue #5</p>  </div>  <div class="row1">  <h2>Subheading Title 1</h2>  <p>Turpis purus aliquet. Habitasse placerat odio ac sociis mid,  auctor cursus parturient eros! Lundium, vut, urna ridiculus?  Penatibus ac et mus elementum. Sed magna augue, velit odio magna  pellentesque a, lacus, aliquam elementum, in massa! Dapibus turpis,  placerat purus, lectus in sagittis porta massa aenean!  Turpis enim non adipiscing lundium parturient, a natoque egestas.  Mid dictumst porta. Risus lorem aliquam velit mid, placerat! Et lectus  sociis scelerisque ac turpis. Magna porta? Augue, augue in. Porta dolor,  et amet, ac. Cum scelerisque tincidunt dignissim in, pellentesque  habitasse! Elit? Mus porttitor in a nec, augue! Elit nisi purus? Porta platea integer.  Mus porttitor in a nec, augue! Elit nisi purus? Porta platea integer.</p>  </div>  <br/>  <div class="row2">  <h2>Subheading Tile 2</h2>  <p>Cum porta risus odio tincidunt? Ultrices, nascetur lundium  tincidunt ridiculus? Enim nisi ac nec nec vel in ac pid ultricies  nunc, cras porta ultrices. Hac lacus nisi non! Ut turpis, tempor eros?  Tortor et, platea turpis scelerisque duis porttitor augue ridiculus nec  et mid, sociis? Est ac a? Arcu elementum eros in ultrices dignissim  pulvinar tincidunt elementum, hac platea hac. Purus et egestas vel,  elementum facilisis, turpis sit augue ultricies, porta augue, enim massa  cursus ac augue! Porta sed cras. Ut a augue ac in, dis pulvinar? Cras  amet aenean magna adipiscing turpis mattis purus placerat, placerat nunc  placerat urna. Mus porttitor in a nec, augue! Elit nisi purus? Porta  platea integer. Elit nisi purus? Porta platea integer.  </p>  </div>  <br/>  <div class="row3">  <h2>Subheading Title 3</h2>  <p>Dignissim tristique a, auctor massa in nascetur lundium,  nascetur mid integer dis et egestas rhoncus ac aliquet turpis integer  velit, est dolor porttitor auctor, elementum porta sit tristique urna ac  proin odio, habitasse ridiculus, non nunc nisi ac integer ultricies vel  ac, phasellus ac? Scelerisque, ac sagittis sociis vel dictumst! Ac odio,  dis placerat mus platea odio a in arcu!</p>  <table>  <tr>  <th>1</th>  <th>2</th>  <th>3</th>  <th>4</th>  <th>5</th>  <th>6</th>  </tr>  <tr>  <th>2</th>  <td>4</td>  <td>6</td>  <td>8</td>  <td>10</td>  <td>12</td>  </tr>  <tr>  <th>3</th>  <td>6</td>  <td>9</td>  <td>12</td>  <td>15</td>  <td>18</td>  </tr>  <tr>  <th>4</th>  <td>8</td>  <td>12</td>  <td>16</td>  <td>20</td>  <td>24</td>  </tr>  </table>  </div>  <div id="footer">  <p>You are currently on: home</p>  </div>  </div>  </body>  </html> |

#### funPage

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>Fun Page</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <style>  #header{  color: lightgreen;  font-family: Times New Roman;  font-size: 24px;  background-color: black;  font-style: italic;  font-weight: bold;  }  #footer{  font-family: Times New Roman;  font-size: 20px;  font-style: italic;  height:30px;  font-weight: bold;  color: lightgreen;  background-color: black;  }  #tableFirst{  font-style:Lucida Sans Unicode, Sans-Serif;  font-size: 12px;  margin: 45px;  width: 480px;  text-align: left;  border-collapse: collapse;  }  #tableFirst th{  font-size: 13px;  color: #039;  padding: 8px;  background-color: #b9c9fe;  border-top: 4px solid #aabcfe;  border-bottom: 1px solid #fff;  text-align: center;  }  #tableFirst td{  font-size: 12px;  color: #669;  padding: 8px;  border-top: 1px solid transparent;  border-bottom: 1px solid #fff;  background-color: #e8edff;  text-align: center;  }  #tableSecond {  font-style: "Lucida Sans Unicode", Sans-Serif;  font-size: 12px;  margin: 45px;  width: 480px;  text-align: left;  border-collapse: collapse;  border-top: 7px solid #9baff1;  border-bottom: 7px solid #9baff1;  }  #tableSecond th{  font-size: 13px;  color: #039;  padding: 8px;  background-color: #e8edff;  border-top: 4px solid #aabcfe;  border-bottom: 1px solid #fff;  border-right: 1px solid #9baff1;  border-left: 1px solid #9baff1;  text-align: center;  }  #tableSecond td{  color: #669;  background-color: #e8edff;  padding: 8px;  border-right: 1px solid #aabcfe;  border-left: 1px solid #aabcfe;  text-align: center;  }  </style>  </head>  <body>  <div id="container">  <div id="header">  <p>Campus Monthly - Issue #5</p>  </div>  <table id = "tableFirst">  <tr>  <th>Cinema Name</th>  <th>Voucher</th>  <th>Bonus</th>  <th>Get From</th>  </tr>  <tr>  <td>West Rain</td>  <td>$300</td>  <td>$50</td>  <td>Bob</td>  </tr>  <tr>  <td>Great Archer</td>  <td>$150</td>  <td>-</td>  <td>Annie</td>  </tr>  <tr>  <td>White Whale</td>  <td>$200</td>  <td>$35</td>  <td>Andy</td>  </tr>  <tr>  <td>Rainbow Line</td>  <td>$175</td>  <td>$25</td>  <td>Annie</td>  </tr>  </table>  <table id="tableSecond">  <tr>  <th>Comedy</th>  <th>Adventure</th>  <th>Action</th>  <th>Children</th>  </tr>  <tr>  <td>Scary Movie</td>  <td>Indiana Jones</td>  <td>The Punisher</td>  <td>Wall-E</td>  </tr>  <tr>  <td>Epic Movie</td>  <td>Star Wars</td>  <td>Bad boys</td>  <td>Madagascar</td>  </tr>  <tr>  <td>Spartan</td>  <td>LOTR</td>  <td>Die Hard</td>  <td>Finding Nemo</td>  </tr>  <tr>  <td>Dr. Dolittle</td>  <td>The Mummy</td>  <td>300</td>  <td>A Bug's Life</td>  </tr>  </table>  </div>  <div id="footer">  <p>You are currently on: fun roundup</p>  </div>  </body>  </html> |

#### divChallenge

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <title>DIV Challenge</title>  <style>  fieldset{  background-color: whitesmoke;  display:inline;  padding-right: 10px;  padding-left: 20px;  }  .lab{  text-align:right;  }  table{  margin-top:-112px;  align-content:center;  }  .enter{  text-align: left;  padding-left: 20px;  }  input[type=submit]{  float:left;  width:120px;  }  </style>  </head>  <body>  <div align="center">  <fieldset>  <table>  <tr>  <td class="lab"><label>Title:</label></td>  <td class="enter">  <select name="title">  <option value="Mr.">Mr.</option>  <option value="Dr.">Dr.</option>  <option value="Ms.">Ms.</option>  <option value="Mrs.">Mrs.</option>  </select>  </td>  <br/>  </tr>  <tr>  <td class="lab"><label>First Name:</label></td>  <td class="enter"><input type="text" name="firstName"/></td>  </tr>  <br/>  <tr>  <td class="lab"><label>Last Name:</label></td>  <td class="enter"><input type="text" name="lastName"/></td>  </tr>  <br/>  <tr>  <td class="lab"><label>Address:</label></td>  <td class="enter"><textarea name="address"></textarea></td>  </tr>  <br/>  <tr>  <td class="lab"><label>City:</label></td>  <td class="enter">  <select name="city">  <option>New York</option>  <option>Los Angeles</option>  <option>San Francisco</option>  </select>  </td>  </tr>  <br>  <tr>  <td class="lab"><label>Zip code:</label></td>  <td class="enter"><input type="text" name="zip"/> </td>  </tr>  <br/>  </table>  <br/>  <input type="submit" value="Send Data"/><br/>  </form>  </fieldset>  </div>  </body>  </html> |

# L8 lists, tables, PHP Arrays, fetching query result , WHILE loop & die() function

## Using HTML Table to Structure Data

*This section covers the HTML tags commonly used to build an HTML Table. Start with the following resource to see how an HTML Table is created:*

### exampleHTMLTable1.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <table border="1">  <tr>  <td>Table cell 1</td>  <td>Table cell 2</td>  </tr>  </table>  <br/>  <table border="1">  <tr>  <th>Table header</th><th>Table header</th>  </tr>  <tr>  <td>Table cell</td><td>Table cell</td>  </tr>  <tr>  <td>Table cell</td><td>Table cell </td>  </tr>  </table>        </body>  </html> |

### exampleHTMLTable2.php

|  |
| --- |
| <?php  $upperLimit = 4;  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  <style>  table, th, td {  border: 1px solid black;  }  </style>  </head>  <body>  <table>  <tr>  <th>Table header</th>  <th>Table header</th>  </tr>  <?php  for ($i = 0; $i < $upperLimit; $i++) {  ?>  <tr>  <td>Table column</td>  <td>Table column</td>  </tr>  <?php  }  ?>  </table>  </body>  </html> |

## Retrieve Records from Database Tables and Display Them

*This section covers how to retrieve and display multiple database records using PHP*

### exampleViewMovies.php

This file is created to display all records from the table example\_movies.

|  |
| --- |
| <?php  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  // open connection  $link = mysqli\_connect($host, $username, $password, $db);  if (!$link) {  die("Could not connect: " . mysqli\_connect\_error($link));  }  echo "Connected Successfully";  // create sql query  $queryMovies = "SELECT m.id as movie\_id, title, d.name as d\_name "  . "FROM example\_movies m, example\_directors d "  . "WHERE m.d\_id = d.d\_id";  // execute sql query  $resultMovies = mysqli\_query($link, $queryMovies);  // close connection  mysqli\_close($link);  while ($row = mysqli\_fetch\_assoc($resultMovies)) {  $arrResult[] = $row;  }  echo "<pre>";  print\_r($arrResult);  echo "</pre>";  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title></title>  </head>  <body>  <table border="1">  <tr>  <th>ID</th> <th>Title</th> <th>Director</th>  </tr>  <?php  for ($i = 0; $i < count($arrResult); $i++) {  ?>  <tr>  <td><?php echo $arrResult[$i]['movie\_id']; ?></td>  <td><?php echo $arrResult[$i]['title']; ?></td>  <td><?php echo $arrResult[$i]['d\_name']; ?></td>  </tr>  <?php } ?>  </table>  </body>  </html> |

## Retrieve Records From Database Tables and Display Them in an HTML Table

This section covers how to retrieve and display multiple database records using PHP and format them using HTML Table

### exampleViewMovies.php

|  |
| --- |
| <?php  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  // open connection  $link = mysqli\_connect($host, $username, $password, $db);  if (!$link) {  die("Could not connect: " . mysqli\_connect\_error($link));  }  echo "Connected Successfully";  // create sql query  $queryMovies = "SELECT m.id as movie\_id, title, d.name as d\_name "  . "FROM example\_movies m, example\_directors d "  . "WHERE m.d\_id = d.d\_id";  // execute sql query  $resultMovies = mysqli\_query($link, $queryMovies);  // close connection  mysqli\_close($link);  while ($row = mysqli\_fetch\_assoc($resultMovies)) {  $arrResult[] = $row;  }  echo "<pre>";  print\_r($arrResult);  echo "</pre>";  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title></title>  </head>  <body>  <table border="1">  <tr>  <th>ID</th> <th>Title</th> <th>Director</th>  </tr>  <?php  for ($i = 0; $i < count($arrResult); $i++) {  ?>  <tr>  <td><?php echo $arrResult[$i]['movie\_id']; ?></td>  <td><?php echo $arrResult[$i]['title']; ?></td>  <td><?php echo $arrResult[$i]['d\_name']; ?></td>  </tr>  <?php } ?>  </table>  </body>  </html> |

## Retrieve Records from Database Tables and Use Them to Populate a Dropdown List

This section covers how to retrieve and display multiple database records using PHP and insert them into a dropdown list

### exampleInsertMovies.php

It is to display contents of dropdown list on that page is populated from the database table directors

|  |
| --- |
| <?php  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  $link = mysqli\_connect($host, $username, $password, $db);  $queryDirectors = "SELECT \* FROM example\_directors";  $resultDirectors = mysqli\_query($link, $queryDirectors);  while ($row = mysqli\_fetch\_array($resultDirectors)) {  $arrDirectors[] = $row;  }  echo "<pre>";  print\_r($arrDirectors);  echo "</pre>";  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <form method="post" action="doExampleInsertMovies.php">  <table>  <tr>  <td width="40"><label for="idTitle">Title:</label></td>  <td><input type="text" id="idTitle" name="title"/></td>  </tr>  <tr>  <td><label for="idDirector">Director:</label></td>  <td>  <select id="idDirector" name="director">  <?php  for ($i = 0; $i < count($arrDirectors); $i++) {  ?>  <option value="<?php echo $arrDirectors[$i]['d\_id']; ?> ">  <?php echo $arrDirectors[$i]['name']; ?> </option>  <?php } ?>  </select>  </td>  </tr>  <tr>  <td></td>  <td>  <input type="submit"/>  </td>  </tr>  </table>  </form>  </body>  </html> |

## Retrieve HTML Form Values and Insert Them to a Database Table

This section is a recap from P05, where form input values are retrieved and then inserted into a database

### doExampleInsertMovies.php

|  |
| --- |
| <?php  $theTitle = $\_POST['title'];  $directorID = $\_POST['director'];  // assign values for database connection  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  // open database connection on $link using mysqli\_connect() function  $link = mysqli\_connect($host, $username, $password, $db);  // build an sql query using the INSERT keyword  $queryInsert = "INSERT INTO example\_movies(d\_id, title) VALUES ($directorID, '$theTitle')";  // execute the sql query $queryInsert on the database connection $link, by using the mysqli\_query() function.  $resultInsert = mysqli\_query($link, $queryInsert) or die('Error querying database');  // process the result  if ($resultInsert) {  $message = "record inserted successfully";  } else {  $message = "record insertion failed";  }  // close database connection using mysqli\_close() function  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  echo $message;  ?>  </body>  </html> |

## L8 PS Booklist

### bookList.php (display all records from the database table books)

|  |
| --- |
| <?php  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  $link = mysqli\_connect($host, $username, $password, $db);  $queryBook = "SELECT title, c.name as category, pages, qty, rent\_price "  . "FROM books b, book\_categories c "  . "WHERE b.c\_id = c.c\_id "  . "ORDER BY c.name ASC, title ASC";  $resultBook = mysqli\_query($link, $queryBook);  while ($result = mysqli\_fetch\_assoc($resultBook)) {  $arrResult[] = $result;  }  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Books to Rent</title>  <style>  tr:nth-child(even) {background: lightgreen}  tr:nth-child(odd) {background: lightyellow}  table {  border-collapse: collapse;  }  table th td{  border: 1px solid black;  }  p{  font-weight: bold;  font-color: blue;  }  </style>  </head>  <body>  <p><a id = "bookList" href="bookList.php">View Book List</a> | <a id = "insertBook" href="insertBook.php">Insert a New Book</a> | <a id = "searchBooks"href="searchBooks.php">Search Books</a></p>  <h1>Books to Rent</h1>  <table border="1">  <tr>  <th>Title</th>  <th>Category</th>  <th>Pages</th>  <th>Quantity</th>  <th>Rent Price</th>  </tr>  <?php  for ($i = 0; $i < count($arrResult); $i++) {  ?>  <tr>  <td><?php echo $arrResult[$i]['title']; ?></td>  <td><?php echo $arrResult[$i]['category']; ?></td>  <td><?php echo $arrResult[$i]['pages']; ?></td>  <td><?php echo $arrResult[$i]['qty']; ?></td>  <td><?php echo $arrResult[$i]['rent\_price']; ?></td>  </tr>  <?php } ?>  </table>  </body>  </html> |

### insertBook.php (modify the dropdown so that it pulls information from the database table book\_categories)

|  |
| --- |
| <?php  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  $link = mysqli\_connect($host, $username, $password, $db);  $queryCategory = "SELECT \* from book\_categories";  $resultCategory = mysqli\_query($link, $queryCategory);  while ($row = mysqli\_fetch\_array($resultCategory)) {  $arrCategory[] = $row;  }  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title>Book Rental</title>  <style>  p{  font-weight: bold;  }  body{  background-color: white;  }  label{  color:royalblue;  }  .button{  color:#FEBE10;  background-color: white;  }        </style>  </head>  <body>  <p><a href="bookList.php">View Book List</a> | <a href="insertBook.php">Insert a New Book</a> | <a href="searchBooks.php">Search Books</a></p>  <h2 style="color:#EE324E"><b>Insert a New Book</b></h2>  <form method="post" action="doInsertBook.php">  <table>  <tr>  <td width="40"><label for="idTitle">Title:</label></td>  <td><input type="text" id="idTitle" name="title" size="40" /></td>  </tr>  <tr>  <td><label for="idCat">Category:</label></td>  <td>  <select id="idCat" name="category">  <?php  for ($i = 0; $i < count($arrCategory); $i++) {  ?>  <option value="<?php echo $arrCategory[$i]['c\_id']; ?> ">  <?php echo $arrCategory[$i]['name']; ?> </option>  <?php } ?>  </select>  </td>  </tr>  <tr>  <td>  <label for="idPages">Number of pages:</label>  </td>  <td>  <input type="text" id="idPages" name="pages" size="10" />  </td>  </tr>  <tr>  <td>  <label for="idQty">Quantity:</label>  </td>  <td>  <input type="text" id="idQty" name="quantity" size="10"/>  </td>  </tr>  <tr>  <td>  <label for="idRent">Rent Price:</label>  </td>  <td>  <input type="text" id="idRent" name="rent" size="10"/>  </td>  </tr>  <tr>  <td></td>  <td><input class="button"type="submit" value="SUBMIT"></td>  </tr>  </table>  </form>  </body>  </html> |

### doInsertBook.php (complete the database insertion code to table books)

|  |
| --- |
| <?php  $theTitle = $\_POST['title'];  $theCategory = $\_POST['category'];  $thePages = $\_POST['pages'];  $theQuantity = $\_POST['quantity'];  $theRent = $\_POST['rent'];  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  $link = mysqli\_connect($host, $username, $password, $db);  $queryInsert = "INSERT INTO books(c\_id, title, pages, qty, rent\_price) VALUES ($theCategory, '$theTitle', '$thePages', '$theQuantity', '$theRent')";  $resultInsert = mysqli\_query($link, $queryInsert) or die('Error querying database');  if ($resultInsert) {  $message = "Book Information Submitted Susuccessfully!";  $success = "yes";  } else {  $message = "Book Record Insertion Failed!";  $success = "no";  }  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  if ($success == "yes") {  printf("Title: %s <br>", $theTitle);  printf("Number of Pages: %d <br>", $thePages);  printf("Quantity: %d <br>", $theQuantity);  printf("Rent price: $%.2f <br>", $theRent);  echo "<br>";  printf("<b>%s", $message);          } else if ($success == "no") {  echo $message;  }  ?>  </body>  </html> |

|  |
| --- |
| <?php$theTitle = $\_POST['title'];$theCategory = $\_POST['category'];$thePages = $\_POST['pages'];$theQuantity = $\_POST['quantity'];$theRent = $\_POST['rent'];$host = "localhost";$username = "root";$password = "";$db = "c203\_p08";$link = mysqli\_connect($host, $username, $password, $db);$queryInsert = "INSERT INTO books(c\_id, title, pages, qty, rent\_price) VALUES ($theCategory, '$theTitle', '$thePages', '$theQuantity', '$theRent')";$resultInsert = mysqli\_query($link, $queryInsert) or die('Error querying database');if ($resultInsert) {$message = "Book Information Submitted Susuccessfully!";$success = "yes";} else {$message = "Book Record Insertion Failed!";$success = "no";}mysqli\_close($link);?><!DOCTYPE html><html><head><meta charset="UTF-8"><title></title></head><body><?phpif ($success == "yes") {printf("Title: %s <br>", $theTitle);printf("Number of Pages: %d <br>", $thePages);printf("Quantity: %d <br>", $theQuantity);printf("Rent price: $%.2f <br>", $theRent);echo "<br>";printf("<b>%s", $message);} else if ($success == "no") {echo $message;}?></body></html> |

### doSearchBooks.php

|  |
| --- |
| <?php  $bookName = $\_POST['bookName'];  $host = "localhost";  $username = "root";  $password = "";  $db = "c203\_p08";  $link = mysqli\_connect($host, $username, $password, $db);  $searchBook = "Select title as title, c.name as category, pages, qty, rent\_price "  . "FROM books b, book\_categories c "  . "WHERE b.c\_id = c.c\_id and b.title LIKE '%$bookName%' "  . "ORDER BY c.name ASC, title ASC";  $searchedResult = mysqli\_query($link, $searchBook);  while ($result = mysqli\_fetch\_assoc($searchedResult)) {  $arrResult[] = $result;  }  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>Searched Books</title>  <style>  table {  border-collapse: collapse;  }  table th td{  border: 1px solid black;  }  p{  font-weight: bold;  }  </style>  </head>  <body>  <p><a href="bookList.php">View Book List</a> | <a href="insertBook.php">Insert a New Book</a> | <a href="searchBooks.php">Search Books</a></p>  <h1>Search Books - Titles containing '<?php echo $bookName; ?>':</h1>  <?php  if (empty($arrResult)) {  echo "No records are found";  } else {  ?>  <table border="1">  <tr>  <th>Title</th>  <th>Category</th>  <th>Pages</th>  <th>Quantity</th>  <th>Rent Price</th>  </tr>  <?php  for ($i = 0; $i < count($arrResult); $i++) {  ?>  <tr>  <td><?php echo $arrResult[$i]['title']; ?></td>  <td><?php echo $arrResult[$i]['category']; ?></td>  <td><?php echo $arrResult[$i]['pages']; ?></td>  <td><?php echo $arrResult[$i]['qty']; ?></td>  <td><?php echo $arrResult[$i]['rent\_price']; ?></td>  </tr>  <?php } ?>  </table>  <?php } ?>  </body>  </html> |

# L9 Passing & Retrieving data using GET, Hidden input fields , include function , include function

## Passing data through the URL

### exercise1a.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $id = $\_GET['item\_id'];  echo "The Item ID is $id";  ?>  </body>  </html> |

### exercise1b.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $rad = $\_GET['radius'];  $area = 3.142 \* $rad \* $rad;  echo "The area of the circle is $area";  ?>  </body>  </html> |

### exercise1c.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $len = $\_GET['length'];  $br = $\_GET['breath'];  $area = $len \* $br;  echo "The area of the rectangle is $area";  ?>  </body>  </html> |

### exercise1d.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  $wt = $\_GET['weight'];  $ht = $\_GET['height'];  $age = $\_GET['age'];  $gender = $\_GET['gender'];  $bmr = 0;  if ($gender == "M") {  $bmr = 66 + (1.37 \* $wt) + (5 \* $ht) - (6.8 \* $age);  } else {  $bmr = 655 + (9.6 \* $wt) + (1.8 \* $ht) - (4.7 \* $age);  }  echo "Your BMR is $bmr";  ?>  </body>  </html> |

## Extracting from database tables using a URL parameter

### dbFunctions.php

|  |
| --- |
| <?php  $db\_host = "localhost";  $db\_user = "root";  $db\_pass = "";  $db\_name = "c203\_p09";  $link = mysqli\_connect($db\_host, $db\_user, $db\_pass, $db\_name) or  die(mysqli\_connect\_error());  ?> |

### restaurantDetails.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  include 'dbFunctions.php';  $theID = $\_GET['id'];  $query = "SELECT \* FROM restaurants WHERE rest\_id = $theID";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  if (!empty($row)) {  $restaurantname = $row['name'];  }  ?>  </body>  </html> |

### itemDetails.php

It is to retrieve the database record from the table items by the id that is retrieved from the URL above and display the following output.

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  include "dbFunctions.php";  $theID = $\_GET['id'];  $query = "SELECT \* FROM items WHERE id=$theID";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  if (!empty($row)) {  $itemname = $row['name'];  $description = $row['description'];  $datesold = $row['date\_sold'];  $quality = $row['quality'];  $price = $row['price'];  $image = $row['image'];  }  if (!empty($itemname)) {  ?>  <div style ="width:350px;">  <b>Item Name: </b> <?php echo $itemname ?><br/>  <b>Description: </b> <?php echo $description ?><br/>  <b>Date Sold: </b> <?php echo $datesold ?><br/>  <b>Quality: </b> <?php echo $quality ?><br/>  <b>Price: </b> <?php echo $price ?> <br/>  <img src ="itemPics/<?php echo $image ?>" width="200"/>  </div>  <?php } ?>  </body>  </html> |

## Create an Edit page to update database table

This section covers the use of the UPDATE keyword in an SQL query to edit a record from a database table. The following resource can help you to get started.

### editRestaurant.php.

In the project P09WeWereThere, create a new PHP Web Page called *editRestaurant.php*.

Use the same PHP code in *restaurantDetails.php* except that the code within the <body> tags will be different. Type the PHP and HTML code below within the <body> tags of *editRestaurant.php*

|  |
| --- |
| <?php  include "dbFunctions.php";  $theID = $\_GET['id'];  $query = "SELECT \* FROM restaurants WHERE rest\_id=$theID";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  if (!empty($row)) {  $restaurantname = $row['name'];  }  ?>  <html>  <body>  <?php if (!empty($theID)) { ?>  <form action="doEditRestaurant.php" method="post">  <input type="hidden" name="id" value="<?php echo $theID ?>"/>  <div style="width: 350px;">  Restaurant Name:  <input type="text" name="name" value="<?php echo $restaurantname ?>"/>  <br/><input type="submit"/>  </div>  </form>  <?php } ?>  </body>  </html> |

### doEditRestaurant.php

|  |
| --- |
| <?php  include "dbFunctions.php";  $theID = $\_POST['id'];  $newName = $\_POST['name'];  $msg = "";  $query = "UPDATE restaurants  SET name='$newName'  WHERE rest\_id = $theID";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  if ($result) {  $msg = "Record updated successfully";  } else {  $msg = "Not updated record";  }  ?>  <html>  <body>  <?php echo $msg ?>  </body>  </html> |

### editItem.php

It is to retrieve the database record from the table items by the id that is retrieved from the URL above and make item name, description (textarea) and price fields editable.

|  |
| --- |
| <?php  include "dbFunctions.php";  $theID = $\_GET['id'];  $queryItem = "SELECT \* FROM items WHERE id=$theID";  $resultItem = mysqli\_query($link, $queryItem) or die(mysqli\_error($link));  $rowItem = mysqli\_fetch\_array($resultItem);  if (!empty($rowItem)) {  $itemName = $rowItem['name'];  $itemDescription = $rowItem['description'];  $itemDateSold = $rowItem['date\_sold'];  $itemQuality = $rowItem['quality'];  $itemPrice = $rowItem['price'];  $itemImageName = $rowItem['image'];  }  $queryItems = "SELECT DISTINCT quality FROM items";  $resultItems = mysqli\_query($link, $queryItems) or die(mysqli\_error($link));  while ($row = mysqli\_fetch\_array($resultItems)) {  $arrResult[] = $row;  }  mysqli\_close($link);  ?>  <html>  <body>  <?php if (!empty($itemName)) { ?>  <form action="doEditItem.php" method="post">  <input type="hidden" name="itemID" value="<?php echo $theID ?>">  <label><b>Item Name: </b></label>  <input type="text" name="itemName" value="<?php echo $itemName ?>"/>  <br>  <label><b>Description: </b></label>  <textarea name="itemDescription"><?php echo $itemDescription ?></textarea>  <br>  <label><b>Date Sold: </b> <?php echo $itemDateSold ?></label>  <br>  <label><b>Quality: </b></label>  <select name="itemQuality">  <?php  for ($i = 0; $i < count($arrResult); $i++) {  if ($arrResult[$i] == $itemQuality) {  ?>  <option selected="selected"> <?php echo $itemQuality ?> </option>  <?php } else { ?>  <option> <?php echo $arrResult[$i]['quality'] ?></option>  <?php } ?>  <?php } ?>  </select>  <br>  <label><b>Price: </b></label>  <input type="text" name="itemPrice" value="<?php echo $itemPrice ?>" />  <br>  <img src="itemPics/<?php echo $itemImageName ?>"/>  <br>  <input type="submit" value="submit" />  </form>  <?php } ?>  </body>  </html> |

### doEditItem.php

It is to update the item name, description and price to the database table items. Display the status of the update.

Remember to echo $query to check your update query string if you encounter MySQL errors.

|  |
| --- |
| <?php  include"dbFunctions.php";  $itemID = $\_POST['itemID'];  $itemName = $\_POST['itemName'];  $itemDescription = $\_POST['itemDescription'];  $itemQuality = $\_POST['itemQuality'];  $itemPrice = $\_POST['itemPrice'];  $msg = "";  $queryItem = "UPDATE items  SET name='$itemName', description='$itemDescription', quality='$itemQuality', price=$itemPrice  WHERE id=$itemID";  $result = mysqli\_query($link, $queryItem);  if ($result) {  $msg = "Record a successful update";  } else {  $msg = "Failed to update the record";  }  ?>  <html>  <body>  <?php echo $msg ?>  </body>  </html> |

# L10 HTML password, SHA1, storing, maintaining & destroying information sessions, sessions

## Check whether a user exists in a database table

### doLogin.php

It retrieves the username and password entered on the login form. Afterwards it checks whether there is a record with matching credentials.

|  |
| --- |
| <?php  session\_start();  include "dbFunctions.php";  // Retrieve login form data  $enteredUsername = $\_POST['username'];  $enteredPassword = $\_POST['password'];  $msg = "";  $queryCheck = "SELECT \* FROM users  WHERE username='$enteredUsername'  AND password=SHA1('$enteredPassword')"; // Hash password Using SHA1    // Execute Query  $resultCheck = mysqli\_query($link, $queryCheck) or  die(mysqli\_errno($link));  //fetches one row of data in a numerical array format from the result  if (mysqli\_num\_rows($resultCheck) == 1) {    //fetches one row of data in both numerical and associative array formats  $row = mysqli\_fetch\_array($resultCheck);    $\_SESSION['user\_id'] = $row['id'];  $\_SESSION['username'] = $row['username'];  $msg = "<h2>You are logged in as " . $\_SESSION['username'] . "</h2>";  $msg .= "<p><a href='index.php'>Home</a></p>";  } else {  $msg = "<p>Sorry, you must enter a valid username and password to log in</p>";  $msg .= "<p><a href='login.php'>Go back to login page</a></p>";  }  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <title>Get Together - Where the neighborhood comes together!</title>  </head>  <body>  <h3>Get Together - Login</h3>  <?php  echo $msg;  ?>  </body>  </html> |

### Login.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <title>Get Together - Where the neighborhood comes together!</title>  </head>  <body>  <h3>Get Together - Login</h3>  <form method="post" action="doLogin.php">  <fieldset style="width:300px;">  <table>  <tr>  <td><label for="idUsername">Username:</label></td>  <td><input type="text" id="idUsername" name="username"/></td>  </tr>  <tr>  <td><label for="idPassword">Password:</label></td>  <td><input type="password" id="idPassword" name="password"/></td>  </tr>  </table>  </fieldset>  <input type="submit" value="Login" name="submit"/>  </form>  <br/><br/>  <a href="register.php">Register</a>  </body>  </html> |

### dbFunctions

|  |
| --- |
| <?php  $db\_host = "localhost";  $db\_username = "root";  $db\_password = "";  $db\_name = "c203\_p10";  $link = mysqli\_connect($db\_host, $db\_username, $db\_password, $db\_name) or  die(mysqli\_connect\_error());  ?> |

## Encrypt passwords using the SHA1() method

### doRegister.php

This is so that the password that is entered will be hashed first with SHA1() function before inserted into the database

|  |
| --- |
| <?php  // php file that contains the common database connection code  include "dbFunctions.php";  $name = $\_POST['name'];  $gender = $\_POST['gender'];  $birthdate = $\_POST['birthdate'];  $username = $\_POST['username'];  $password = $\_POST['password'];  $colorPref = $\_POST['color'];  $repeat = false;  $queryUsername = "SELECT username FROM users";  $resultUsername = mysqli\_query($link, $queryUsername) or die(mysqli\_error($link));  while ($row = mysqli\_fetch\_array($resultUsername)) {  $array[] = $row;  }  for ($i = 0; $i < count($array); $i++) {  if ($array[$i]['username'] === $username) {    $repeat = true;  }  }  if ($repeat == false) {  $query = "INSERT INTO users  (name,gender,birthdate,username,password, color\_pref)  VALUES  ('$name','$gender','$birthdate','$username',SHA1('$password'),'$colorPref')";  $status = mysqli\_query($link, $query);  if ($status) {  $message = "<p>Your new account has been successfully created.  You are now ready to <a href='login.php'>login</a>.</p>";  } else {  $message = "account creation failed";  }  } else {  $message = "Username is being repeated, Please enter a new Username.  <a href='register.php'> Go back to register page</a>";  }  mysqli\_close($link);  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" >  <title>Get Together - Where the neighborhood comes together!</title>  </head>  <body>  <h3>Get Together - Register</h3>  <?php  echo $message;  ?>  </body>  </html> |

### register.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <title>Get Together - Where the neighborhood comes together!</title>  <style>  .col-right-align { text-align: right;}  </style>  </head>  <body>  <h3>Get Together - Register</h3>  <h4>Please fill the following to sign up for "Get Together".</h4>  <form method="post" action="doRegister.php">  <fieldset style="width:500px;">  <table>  <tr>  <td class="col-right-align"><label>Name:</label></td>  <td><input type="text" name="name" /></td>  </tr>  <tr>  <td class="col-right-align"><label>Gender:</label></td>  <td>  <input type="radio" name="gender" value="male"/>male  <input type="radio" name="gender" value="female"/>female  </td>  </tr>  <tr>  <td class="col-right-align"><label>Birthdate:</label></td>  <td><input type="text" name="birthdate"/> (format: YYYY-MM-DD)</td>  </tr>  <tr>  <td><label>Color Preference:</label></td>  <td>  <select name="color">  <option value="yellow">yellow</option>  <option value="pink">pink</option>  <option value="cyan">cyan</option>  </select>  </td>  </tr>  <tr>  <td colspan="2"><hr /></td>  </tr>  <tr>  <td class="col-right-align"><label>Username:</label></td>  <td><input type="text" name="username"/></td>  </tr>  <tr>  <td class="col-right-align"><label>Password:</label></td>  <td><input type="password" name="password"/></td>  </tr>  </table>  </fieldset>  <input type="submit" value="Sign Up" name="submit"/>  </form>  </body>  </html> |

## Make user information recognizable across multiple PHP Pages, using session variables

### index.php

It is to display personalized message on the homepage

|  |
| --- |
| <?php  session\_start();  include 'dbFunctions.php';  $color = "white";  $msg = "";  if (!isset($\_SESSION['username'])) {  $msg = "<h3>Get Together</h3>";  $msg .= "<h4>Please <a href='login.php'>log in</a> .</h4>";        } else {  $username = $\_SESSION['username'];  $msg = "<h4> Hi " . $username . "!</h4>";  $query = "SELECT \* FROM users WHERE username='$username'";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  $fullname = $row['name'];  $birthdate = $row['birthdate'];  $color = $row['color\_pref'];  $msg .= "<p>Full Name: $fullname</p>";  $msg .= "<p>Birthdate: $birthdate</p>";  $msg .= "<a href='logout.php'>Logout</a>";  }  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <title>Get Together - Where the neighborhood comes together!</title>  <style>  body {  background-color: <?php echo $color ?>;  }  </style>  </head>  <body>  <?php echo $msg; ?>  </body>  </html> |

### logout.php

This page is to destroy the session.

|  |
| --- |
| <?php  session\_start();  if (isset($\_SESSION['username'])) {  session\_destroy();  }  $message = "<p>You have logged out.<br><br>  <a href='login.php'>Go back to login page</a></p>";  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <title>Get Together - Where the neighborhood comes together!</title>  </head>  <body>  <h3>Get Together - Logout</h3>  <?php echo $message ?>  </body>  </html> |

# L11 Roles, Rights & Authorization

## Implement User Rights using Sessions

#### doLogin.php

|  |
| --- |
| <?php  session\_start();  $msg = "";  //check whether session variable 'user\_id' is set  //in other words, check whether the user is already logged in  if (isset($\_SESSION['user\_id'])) {  $msg = "You are already logged in.";  //user is not logged in  } else {    //check whether form input 'username' contains value  if (isset($\_POST['username'])) {  //retrieve form data  $entered\_username = $\_POST['username'];  $entered\_password = $\_POST['password'];  //connect to database  include ("dbFunctions.php");  //match the username and password entered with database record  $query = "SELECT id, username, role FROM users  WHERE username='$entered\_username' AND  password = SHA1('$entered\_password')";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  //if record is found, store id and username into session  if (mysqli\_num\_rows($result) == 1) {  $row = mysqli\_fetch\_array($result);  $\_SESSION['user\_id'] = $row['id'];  $\_SESSION['username'] = $row['username'];  $\_SESSION['role'] = $row['role'];  header("location: index.php");  //record not found  } else {  $msg = "Sorry, you must enter a valid username  and password to log in.";  }  }  }  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link rel="stylesheet" type="text/css" href="stylesheets/style.css" />  <title>Items for Sale</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Login</h3>  <?php  echo $msg;  ?>  </body>  </html> |

#### index.php

|  |
| --- |
| <?php  session\_start();  // php file that contains the common database connection code  include "dbFunctions.php";  // create query to retrieve the relevant records  $queryItems = "SELECT i.name,i.description,i.price,u.username,  i.user\_id,i.id  FROM used\_items i, users u  WHERE i.user\_id=u.id";  // execute the query  $resultItems = mysqli\_query($link, $queryItems) or  die(mysqli\_error($link));  // fetch the execution result in an associative array format  while ($row = mysqli\_fetch\_assoc($resultItems)) {  $arrItems[] = $row;  }  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>Items for Sale</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Sell your used items here!</h3>  <table class="box-table">  <tr>  <th>Name</th>  <th>Description</th>  <th>Price</th>  <th>Owner</th>  <?php  if (isset($\_SESSION['user\_id'])) {  if ($\_SESSION['role'] == "admin") {  ?>  <th>Delete</th>  <?php } else if ($\_SESSION['role'] == "member") {  ?>  <th>Edit</th>  <?php  }  }  ?>  </tr>  <?php  for ($i = 0; $i < count($arrItems); $i++) {  $name = $arrItems[$i]['name'];  $description = $arrItems[$i]['description'];  $price = $arrItems[$i]['price'];  $userID = $arrItems[$i]['user\_id'];  $itemID = $arrItems[$i]['id'];  $username = $arrItems[$i]['username'];  ?>  <tr>  <td><?php echo $name; ?></td>  <td><?php echo $description; ?></td>  <td><?php echo $price; ?></td>  <td><?php echo $username; ?></td>  <?php  if (isset($\_SESSION['user\_id'])) {  if ($\_SESSION['role'] == "admin") {  ?>  <td>  <form action="doDelete.php" method="post">  <input type="hidden" name="itemID" value="<?php echo $itemID; ?>"/>  <input type="submit" value="Delete"/>  </form>  </td>  <?php } else if ($\_SESSION['role'] == "member") { ?>  <td>  <form action="edit.php" method="post">  <input type="hidden" name="itemID" value="<?php echo $itemID; ?>"/>  <!-- TO-DO-->  <?php  if ($\_SESSION['username'] == "username") {    }  ?>  <input type="submit" value="Edit"/>  <?php }  ?>  </form>  </td>  <?php  }  }  ?>  </tr>  <?php ?>  </table>  </body>  </html> |

#### navbar.php

|  |
| --- |
| <div id="menu">  <ul>  <li> <a href="index.php">Home</a></li>  <?php if (isset($\_SESSION['user\_id'])) { ?>  <?php if ($\_SESSION['role'] == "member") { ?>  <li> <a href="postItem.php">post used items</a></li>  <?php } ?>  <li> <a href="logout.php">logout</a></li>  <?php } else { ?>  <li> <a href="login.php">login</a></li>  <?php } ?>  </ul>  </div>  <?php  if (isset($\_SESSION['user\_id'])) {  echo "<i>Welcome " . $\_SESSION['username'] . " (" . $\_SESSION['role'] . ")</i>";  }?> |

#### login.php

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>Items for Sale</title>    </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Login</h3>  <!-- Username and Password will be posted to doLogin.php -->  <form method="post" action="doLogin.php">  <fieldset>  <legend>Login</legend>  <table>  <tr>  <td><label for="id\_username">Username:</label></td>  <td><input id="id\_username" type="text" name="username"/></td>  </tr>  <tr>  <td><label for="id\_password">Password:</label></td>  <td><input id="id\_password" type="password" name="password"/></td>  </tr>  <tr>  <td></td>  <td><input type="submit" Value="Login"/></td>  </tr>  </table>  </fieldset>  </form>  </body>  </html> |

#### postItem.php

|  |
| --- |
| <?php  session\_start();  if (!isset($\_SESSION['user\_id'])) {  header("location: login.php");  }  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>Items for Sale</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Post</h3>  <form id="postForm" method="post" action="doPostItem.php">  <label for="idName">Item Name:</label>  <input type="text" id="idName" name="name" required/>  <label for="idDesc">Description:</label>  <textarea id="idDesc" name="description" rows="5" cols="30" required></textarea>  <label for="idPrice">Price:</label>  <input type="text" id="idPrice" name="price" required/>  <input type="submit" value="Post Item" />  </form>  </body>  </html> |

## Implement Delete Feature

#### doDelete.php

|  |
| --- |
| <?php  // include a php file that contains the common database connection codes  include ("dbFunctions.php");  //retrieve id from the hidden form field of the previous page (index.php)  $theID = $\_POST['itemID'];  echo $theID;  //build a query to delete a specific record based on id  $queryDelete = "DELETE FROM used\_items "  . "WHERE id = $theID";  $status = mysqli\_query($link, $queryDelete) or die(mysqli\_error($link));  //if statement to check whether the delete is successful  //store the success or error message into variable $message  if($status){  $message = "Item has been deleted";  }else{  $message = "Item delete failed";  }  // Todo Close Link  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title></title>  </head>  <body>  <?php  echo $message;  echo "<br/><br/>";  echo "<a href='index.php'>Go back to Home Page</a>";  ?>  </body>  </html> |

## Implement Edit Feature

#### doEdit.php

|  |
| --- |
| <?php  session\_start();  // include a php file that contains the common database connection codes  include ("dbFunctions.php");  //retrieve computer details from the textarea on the previous page  $description = $\_POST['description'];  //retrieve id from the hidden form field of the previous page  $itemID = $\_POST['itemID'];  //build a query to update the table  //update the record with the details from the form  $updateQuery = "UPDATE used\_items SET description='$description' WHERE id=$itemID";  //execute the query  $status = mysqli\_query($link, $updateQuery) or die(mysqli\_error($link));  //if statement to check whether the update is successful  //store the success or error message into variable $msg  $msg = "";  if ($status) {  $msg = "Successfully Updated";  } else {  $msg = "Error updating";  }  // TO-DO CLOSE LINK  mysqli\_close($link);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title></title>  </head>  <body>  <?php  echo $msg;  echo "<br/><br/>";  echo "<a href='index.php'>Go back to Home Page</a>";  ?>  </body>  </html> |

#### doPostItem.php

|  |
| --- |
| <?php  session\_start();  if (!isset($\_SESSION['user\_id'])) {  header("location: login.php");  exit;  }  $userID = $\_SESSION['user\_id'];  // php file that contains the common database connection code  include "dbFunctions.php";  if (!empty($\_POST['name']) && !empty($\_POST['description']) && !empty($\_POST['price'])) {  #TODO: Assign data retreived from form to the following variables $itemName, $itemDesc, $itemPrice respectively  $itemName = $\_POST['name'];  $itemDesc = $\_POST['description'];  $itemPrice = $\_POST['price'];  $sql = "INSERT INTO used\_items (name,user\_id,description, price)  VALUES ('$itemName',$userID,'$itemDesc',$itemPrice)";  //TODO: Execute the SQL statement  $status = mysqli\_query($link, $sql) or die(mysqli\_error($link));  //if statement to check whether the posting is successful  //store the success or error message into variable $msg  if ($status) {  $msg = "Item posted successfully.";  } else {  $msg = "Item post failed.";  }  } else {  $msg = "All Item details have to be provided.";  //TODO: Close the Database conection  mysqli\_close($link);  }  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link rel="stylesheet" type="text/css" href="stylesheets/style.css" />  <title>Items for Sale</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Post Item</h3>  <p>  <?php echo $msg; ?>  </p>  </body>  </html> |

#### edit.php

|  |
| --- |
| <?php  session\_start();  // include a php file that contains the common database connection codes  include ("dbFunctions.php");  $itemID = $\_POST['itemID'];  echo $itemID;  // create query to retrieve a single record based on the value of $compID  $query = "SELECT \* FROM used\_items WHERE id = $itemID";  // execute the query  $status = mysqli\_query($link, $query) or die(mysqli\_error($link));  // fetch the execution result to an array  $row = mysqli\_fetch\_array($status);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title></title>  <style>  .submit {  background: blue;  border: 1px black;  color: white;  padding: 15px 50px;  text-align: center;  }  </style>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items For Sale - Edit</h3>  <?php  $itemID = $row['id'];  $name = $row['name'];  $price = $row['price'];  $desc = $row['description'];  ?>  <form method="post" action="doEdit.php">  <!--display item name in non-editable format-->  <input type="hidden" name="itemID" value="<?php echo $itemID ?>"/>  <b>Name: </b><br><?php echo $name ?>  <br/><br/>  <!--display item price in non-editable format-->  <b>Price: </b><br>$<?php echo $price ?>  <br/><br/>  <b>Editable Description: </b>  <!--display item description in a textarea (editable)-->  <textarea name="description" rows="4"><?php echo $desc ?></textarea>  <br/><br/>  <input type="submit" value="Update Item"/>  </form>  </body>  </html> |

#### logout.php

|  |
| --- |
| <?php  // Starts a session  session\_start();  // Tests to see if session variable user ID does not exist  if (isset($\_SESSION['user\_id'])) {  session\_destroy();  $\_SESSION = array();  }  $message = "You have logged out.";  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link rel="stylesheet" type="text/css" href="stylesheets/style.css" />  <title>Items for Sale</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>Items for Sale - Logout</h3>  <?php  echo $message;  ?>  </body>  </html> |

#### dbFunctions.php

|  |
| --- |
| <?php  $db\_host = "localhost";  $db\_username = "root";  $db\_password = "";  $db\_name = "C203\_p11";  $link = mysqli\_connect($db\_host, $db\_username, $db\_password, $db\_name);  // alternative way to display the error:  if (!$link) {  die(mysqli\_error($link));  // die(mysqli\_connect\_error());  }  ?> |

# L12 Cookies & Email and File Upload

## Index.php(Login using cookie)

|  |
| --- |
| <?php  session\_start();  **// Retrieve color value from cookie**  $selectedBGColor = "white";  **if (isset($\_COOKIE['bgcolor'])) {**  **$selectedBGColor = $\_COOKIE['bgcolor'];**  **}**  $rememberUsername = "";  **// Check if user has requested to remember his username**  **// in his previous visit by checking for cookie existence**  if (isset($\_COOKIE['username'])) {  $rememberUsername = $\_COOKIE['bgcolor'];  }  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>We Are Connected - Home</title>  </head>  <!-- change the bgcolor attribute to the one that user has selected. -->  <body bgcolor="<?php echo $selectedBGColor; ?>">  <?php include "navbar.php" ?>  <?php  if (isset($\_SESSION['user\_id'])) {  $userID = $\_SESSION['user\_id'];  include "dbFunctions.php";  $query = "SELECT \* FROM users WHERE user\_id=$userID";  $result = mysqli\_query($link, $query) or  die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  $fileName = "anonymous.jpg";  if (!empty($row['image'])) {  $fileName = $row['image'];  }  ?>  <p><b>First Name:</b> <?php echo $row['first\_name']; ?></p>  <p><b>Last Name:</b> <?php echo $row['last\_name']; ?></p>  <p><img src="profilePics/<?php echo $fileName; ?>" width="100" /></p>  <?php  } else {  ?>  <form name="frmLogin" method="post" action="doLogin.php">  <table>  <tr>  <td align="center"><label for="username">Username</label></td>  <td><input type="text" id="username" name="username"  value="<?php echo $rememberUsername; ?>" /></td>  </tr>  <tr>  <td align="center"><label for="password">Password</label></td>  <td><input type="password" id="password" name="password" /></td>  </tr>  <tr>  <td colspan="2" align="left"><input type="checkbox" name="remember">Remember Me</td>  </tr>  <tr>  <td colspan="2" align="center"><input type="submit" name="Login" value="Login"/></td>  </tr>  </table>  </form>  <br/>  <a href="resetPassword.php">Reset Password</a><br/>  <?php  }  **if (isset($\_COOKIE['lastLogin'])) {**  **echo"last login Ip address on this site: " . $\_COOKIE['lastLogin'];**  **}**  **//User request to remember the username and password**  **if(isset($\_POST['remember'])){**  **setcookie("username",$row['username'],time()+3600\*24\*100);**  **}**  ?>  </body>  </html> |

## Change colour using Cookie

### Change colour.php

|  |
| --- |
| <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title></title>  </head>  <body>  <?php include "navbar.php" ?>  <form name="frmColor" action="doChangeColor.php" method="post">  Change the homepage background color<br/><br/>  Choose Color: <select name="bgcolor">  <option value="lightblue">Light Blue</option>  <option value="lightpink">Light Pink</option>  <option value="lightyellow">Light Yellow</option>  </select><br/><br/>  <input type="submit" value="Confirm"/>  </form>  </body>  </html> |

### doChangeColor.php

|  |
| --- |
| <?php  session\_start();  $color = $\_POST['bgcolor'];  //$\_SESSION['color'] = $color;  setcookie("bgcolor", $color, time()+60\*60\*24\*365\*10);  $statusMessage = "Your background color is changed.<br />";  $statusMessage .= "<a href='index.php'>Home</a>";  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title></title>  </head>  <body>  <?php include "navbar.php" ?>  <?php  echo $statusMessage;  ?>  </body>  </html> |

## Edit Profile using $\_FILES

### Editprofile.php

|  |
| --- |
| <?php  session\_start();  if (!isset($\_SESSION['user\_id'])) {  echo "You have not logged in.<br/>";  echo "Please <a href='index.php'>login</a>.";  exit;  }  include "dbFunctions.php";  $userID = $\_SESSION['user\_id'];  $query = "SELECT \* FROM users  WHERE user\_id=$userID";  $result = mysqli\_query($link, $query) or  die(mysqli\_error($link));  $row = mysqli\_fetch\_array($result);  ?>  <!DOCTYPE html>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>We Are Connected - Edit Profile</title>  <style>  .col-right-align { text-align: right;}  </style>  </head>  <body>  <?php include "navbar.php" ?>  <h2>We Are Connected - Edit Profile</h2>  <form method="post" action="doEditProfile.php" enctype="multipart/form-data">  <label>First Name:</label>  <input type="text" name="first\_name" value="<?php echo $row['first\_name'] ?>"/>  <label>Last Name:</label>  <input type="text" name="last\_name" value="<?php echo $row['last\_name'] ?>"/>  <label>Avatar:</label>  <input type="file" name="picture"/>  <input type="submit" value="Update"/>  </form>  </body>  </html> |

### doEditProfile.php

|  |
| --- |
| <?php  session\_start();  if (!isset($\_SESSION['user\_id'])) {  echo "You are not authorized to view this page";  exit;  }  $userID = $\_SESSION['user\_id'];  // php file that contains the common database connection code  include "dbFunctions.php";  //TODO: add the code to print the content of $\_FILES  echo "<pre>";  print\_r($\_FILES);  echo "</pre>";  //TODO: add the code to print the file name  echo "FILENAME: " . $\_FILES['picture']['name'] . " ";  //TODO: add the code to print the file temporary name  echo "FILE TEMPORARY NAME: " . $\_FILES['picture']['tmp\_name'] . " ";  $targetPath = "profilePics/";  //TODO: modify the following code to store the name of the image file into variable $fileName  $fileName = basename($\_FILES['picture']['name']);  //TODO: modify the following code to store the intended complete path to store the image file into variable $completePath  $completePath = $targetPath . $fileName;  $message = "";  if (!empty($\_POST['first\_name']) && !empty($\_POST['last\_name'])) {  if (move\_uploaded\_file($\_FILES['picture']['tmp\_name'], $completePath)) {  $message .= "The file " . $fileName . " has been uploaded";  $firstName = $\_POST['first\_name'];  $lastName = $\_POST['last\_name'];  $sql = "UPDATE users  SET first\_name = '$firstName',  last\_name = '$lastName',  image = '$fileName'  WHERE user\_id='$userID'";  $result = mysqli\_query($link, $sql) or die(mysqli\_error($link));  } else {  $message .= "File upload failed";  }  } else {  $message .= "All profile details have to be provided. <br/>";  $message .= "<a href='editProfile.php'>Try Again.</a>";  }  //$sql = "update users set first\_name='$firstName',last\_name='$lastName',image='$fileName'where user\_id='$userID'";  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" >  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>We Are Connected - Edit Profile</title>  </head>  <body>  <?php include "navbar.php" ?>  <h3>We Are Connected - Edit Profile</h3>  <?php  echo $message;  ?>  </body>  </html> |

## Navigation bar through Cookie

### Navbar.php

|  |
| --- |
| <div id="menu">  <ul>  <li> <a href="index.php">Home</a></li>  <li><a href="changeColor.php">Change Background Color</a></li>  <?php if (isset($\_SESSION['user\_id'])) { ?>  <li> <a href="invite.php">Invite your friends</a></li>  <li><a href="editProfile.php">Edit your profile</a></li>  <li> <a href="logout.php">logout</a></li>  <li> <a href="resetPassword.php">Reset Password</a></li>  <?php } ?>  </ul>  </div>  <?php if (isset($\_SESSION['user\_id'])) {  echo "<i>Welcome ".$\_SESSION['username']." (".$\_SESSION['role'].")</i>";  }  ?> |

## Implement E-mail invitation method

### Invite.php

|  |
| --- |
| <?php  session\_start();  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title></title>  </head>  <body>  <?php include "navbar.php" ?>  <h2>Invite your friends to We Are Connected!</h2>  <form action="doInvite.php" method="post">  <label>Email Address 1:</label>  <input type="text" name="email1" size="40" required/>  <label>Email Address 2:</label>  <input type="text" name="email2" required size="40"/>  <label>Email Address 3:</label>  <input type="text" name="email3" required size="40"/>  <label>Message</label>  <textarea name="message" rows="10" cols="40" /></textarea>  <input type="submit" value="Submit"/>  </form>  </body>  </html> |

### doinvite.php

|  |
| --- |
| <?php  session\_start();  include "dbFunctions.php";  $status = "";  if (isset($\_POST)) {  $email[1] = $\_POST['email1'];  $email[2] = $\_POST['email2'];  $email[3] = $\_POST['email3'];  $message = $\_POST['message'];  $username=$\_SESSION['username'];    $subject="Invitation to join We Are Connected";  for($i=1;$i<=3;$i++){  $recipient=$email[$i];  $headers="From: $username ";  $emailSent=mail($recipient,$subject,$message,$headers);  if($emailSent){  $status .="The email to $email[$i] has been sent.<br/>";  }else{  $status .="Process failed for $email[$i] . Please try again";  }  }  } else {  $status = "Please fill up Invite Friends form  <a href='invite.php'>here</a>";  }  ?>  <!DOCTYPE HTML>  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title></title>  </head>  <body>  <p>  <?php  echo $status;  ?>  </p>  </body>  </html> |

## Implement reset password method

### ResetPassword.php

|  |
| --- |
| <html>  <head>  <meta charset="UTF-8">  <link href="stylesheets/style.css" rel="stylesheet" type="text/css"/>  <title>We Are Connected - Reset Password</title>  </head>  <body>  <body bgcolor="<?php echo $\_COOKIE['bgcolor']; ?>">  <?php include 'navbar.php' ?>  <br/>  <form action="doResetPassword.php" method="post">  <label>Username: </label>  <input type="text" name="name" required/><br/><br/>  <label>Current Password: </label>  <input type="password" name="cPassword" required/><br/><br/>  <label>New Password: </label>  <input type="password" name="nPassword" required/><br/><br/>  <label>Email: </label><br/><br/>  <input type="text" name="email" required/>  <input type="submit" value="Submit"/>  </form>  <?php  // put your code here  ?>  </body>  </html> |

### DoresetPassword.php

|  |
| --- |
| <?php  $currPass = $\_POST['cPassword'];  $newPass = $\_POST['nPassword'];  $name = $\_POST['name'];  $email = $\_POST['email'];  include 'dbFunctions.php';  $query = "SELECT user\_id,username, password FROM users  WHERE username='" . $name . "' AND password = SHA1('" . $currPass . "')";  $result = mysqli\_query($link, $query) or die(mysqli\_error($link));  if (mysqli\_num\_rows($result) == 1) {  $row = mysqli\_fetch\_array($result);  $id = $row['user\_id'];  $username = $row['username'];  **//Update the database with new password**  $update = "UPDATE users SET password = SHA1('" . $newPass . "') WHERE user\_id='$id' ";  $status = mysqli\_query($link, $update) or die(mysqli\_error($link));  // Send the email  if ($status) {  $subject = "We Are Connected - New Password";  $message = "You have successfully reset your password.";  $message .= " Your new password is: $newPass";  $headers = "From: WeAreConnected@rp.edu.sg";  $emailSent = mail($email, $subject, $message, $headers);  $statusMessage = "";  if ($emailSent) {  $statusMessage .= "We have sent a confirmation message with your new password to your email.";  $statusMessage .= "<br/><a href='index.php'>Back to Home Page</a>";  } else {  $statusMessage .= "Failed to reset password.";  $statusMessage .= "<br/><a href='resetPassword.php'>Back to Reset Password Page</a>";  }  }  } else {  $statusMessage = "Sorry, you must enter a valid username  and password to reset password.<a href='reset.php'>Back</a>";  }  ?>  <html>  <head>  <meta charset="UTF-8">  <title></title>  </head>  <body>  <?php  // put your code here  echo $statusMessage;  ?>  </body>  </html> |

# L2 jQuery

## jQuery Selectors

### Exercise 1a (Basic Selectors):

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| <!DOCTYPE html>  <html lang="en">  <head>  <title>Bootstrap 4 Example</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $("button").click(function () {  // // <h1 id="myHeader">What element I am!</h1>  // $("h1#myHeader").css('background-color', 'yellow');  //  // // <div class="abc">this is the div tag with the class abc</div>  // $("div.abc").css('background-color', 'yellow');  //  // // <div><span class="abc">this is sub one</span></div>  // $("span.abc").css('background-color', 'yellow');  // <h1 id="myHeader">What element I am!</h1>  // <div class="abc">this is the div tag with the class abc</div>  $("h1#myHeader, div.abc").css('background-color', 'yellow');  });  });  </script>  </head>  <body>  <h1 id="myHeader">What element I am!</h1>  <div class="abc">this is the div tag with the class abc</div>  <div>  <div class="abc">this is sub one</div>  <div>this is another text</div>  </div>  <button>Click me to show selected element</button>  </body>  </html> |

### Exercise 1b (Index-based Selectors):

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| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $("button").click(function () {  // <div class="green">Green Triangle</div>  $(".green:first").css('background-color', 'yellow');  // // <li>Fourth Item</li>  // $("#list :last").css('background-color', 'yellow');  //  // // <li>Second Item</li>  // // <li>Fourth Item</li>  // $("#list li:odd").css('background-color', 'yellow');  //  // // <div class="red">Red Triangle</div>  // // <div class="green">Green Triangle</div>  // // <div class="purple">Purple Square</div>  // $("div:even").css('background-color', 'yellow');  //  //  // // <li>Second Item</li>  // $("ul li:eq(1)").css('background-color', 'yellow');  //  // // <div class="green">Green Square</div>  // // <div class="purple">Purple Square</div>  // $("ul li:gt(2)").css('background-color', 'yellow');  //  //  // // <div class="red">Red Triangle</div>  // // <div class="blue">Blue Triangle</div>  // $("ul li:lt(2)")css('background-color', 'yellow');  });  });  </script>  </head>  <body>  <ul id="list">  <li>First Item</li>  <li>Second Item</li>  <li>Third Item</li>  <li>Fourth Item</li>  </ul>  <div class="red">Red Triangle</div>  <div class="blue">Blue Triangle</div>  <div class="green">Green Triangle</div>  <div class="green">Green Square</div>  <div class="purple">Purple Square</div>  <button>Click me to show selected element</button>  </body>  </html> |

### Exercise 1c (Attribute Selectors):

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| <!DOCTYPE html>  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $("button").click(function () {  // // <div class="red triangle">Red Triangle</div>  $("[class ='red triangle']").css('background-color', 'yellow');  // // <div class="red triangle">Red Triangle</div>  // // <div class="red circle">Red Circle</div>  // $("[class^='red']").css('background-color', 'yellow');  //  //// // <div class="red triangle">Red Triangle</div>  //// // <div class="blue triangle">Blue Triangle</div>  // $("[class = $'triangle']").css('background-color', 'yellow');  });  });  </script>  </head>  <body>  <div class="red triangle">Red Triangle</div>  <div class="blue triangle">Blue Triangle</div>  <div class="yellow square">Yellow Square</div>  <div class="red circle">Red Circle</div>  <div class="yellow circle">Yellow Circle</div>  <button>Click me to show selected element</button>  </body>  </html> |

### Exercise 1d (Form Selectors):

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| <!DOCTYPE html>  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $("button").click(function () {  // Customer Name and Phone  $(":text").css('background-color', 'yellow');  // // Customer Name  // $("[name=custName]").css('background-color', 'yellow');  //  // // Male and Female  // $(":radio").css('background-color', 'yellow');  //  // // Badminton and Swimming  // $(".checkbox:checked").css('background-color', 'yellow');  });  });  </script>  </head>  <body>  <p>Customer Name:<input type="text" name="custName" value="John Smith"/>  <p>Phone:<input type="text" name="phone" value="12345678"/>  </p>  <p>Gender  <input type="radio" name="gender" value="M" checked/> Male  <input type="radio" name="gender" value="F" /> Female  </p>  <p>Hobbies  <input type="checkbox" name="hobbies" value="badminton" checked/> Badminton  <input type="checkbox" name="hobbies" value="swimming" checked/> Swimming  <input type="checkbox" name="hobbies" value="basketball" /> Basketball  </p>  <p><input type="submit"/>  <br></br>  <button>Click me to show selected element</button>  </body>  </html> |

### Exercise2

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| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $(".abc").css("border", "3px solid red");  $("p").css("background-color", "cyan");  $("#one .sub-one").addClass("myclass");  });  </script>  <style>  .myclass {  font-weight: bold;  color: blue;  }  </style>  </head>  <body>  <div class="abc">this is the div tag with the class abc</div>  <p>Good morning</p>  <p>a good day!</p>  <div id="one">  a text  <div class="sub-one">this is sub one</div>  <div>this is another text</div>  </div>  </body>  </html> |

### Exercise2a

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| <!DOCTYPE html><!--To change this license header, choose License Headers in Project Properties.To change this template file, choose Tools | Templatesand open the template in the editor.--><html><head><title>TODO supply a title</title><meta charset="UTF-8"><meta name="viewport" content="width=device-width, initial-scale=1.0"><link rel="stylesheet" href="css/all.css"><link rel="stylesheet" href="css/bootstrap.min.css"><script src="js/jquery.min.js"></script><script src="js/bootstrap.bundle.min.js"></script><script>$(document).ready(function () {$("#hello").css("color", "#39ff14");$("p").css("font-style", "italic");$("p.red").css("border", "2px solid green");$("p#message").removeClass("red");$('p#message').append(" John Smith");$('p').prepend("Hello World ");});</script><style>.red { color: #FF0000; }.green { color: #00FF00; }.blue { color: #0000FF; }</style></head><body><h1 id="hello">Hi!</h1><p id="message" class="red">First Line </p><p class="red">Second Line </p><p>Third Line </p></body></html> |

### Exercise2b

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| <!DOCTYPE html>  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $(".title").css("font-weight", "bold");  $(".title").css("border", "3px solid");  $("p").prepend("<i>free</i> ");  $("#sub").html("For guests, <br/>we provide:");  })  </script>  <style>  .red { color: #FF0000; }  .green { color: #00FF00; }  .blue { color: #0000FF; }  </style>  </head>  <body>  <br></br>  <div class="title">This event is to introduce my new book.</div>  <div id="sub">sub title</div>  <p>key chain</p>  <div>Do attend this event.</div>  </body>  </html> |

### Exercise2c

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| <!DOCTYPE html>  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $(".back").css("text-transform", "uppercase");  $("ul").addClass("top");  $("ul li").css("display", "inline");  $("#friends a[href$='.com/']").css("color", "#0087cc");  $("#friends a").addClass("nav");  $("#social a:even").css("background-color", "lightblue");  $("#social a:odd").css("background-color", "lightpink");  $("p:last").css("font-size", "8px");  });  </script>  <style>  .top {  border: 1px solid #cecfd5;  border-radius: 6px;  list-style: none;  padding: 8px 0 8px 0;  text-align: center  }  .nav {  display:block;  text-decoration: none;  padding: 6px 12px;  }  </style>  </head>  <body>  <div id="wrapper">  <header>  <h1 id="title">  <span class="front">the works of </span>  <span class="back">justin edmund</span>  </h1>  <ul>  <li>  <a href="http://jedmund.com/about">about</a>  </li>  <li>  <a href="http://blog.jedmund.com/">blog</a>  </li>  <li>  <a href="http://jedmund.com/projects">works</a>  </li>  </ul>  </header>  <p>Justin Edmund is a maker focusing on product design and software development. He primarily builds tools that help people be more creative and inspired. He also enjoys bookbinding and other physical forms of design.</p>  <p>He currently works at <a href="http://pinterest.com/" title="Pinterest" target="\_new">Pinterest</a> in San Francisco, California as a product designer. He worked at <a href="http://facebook.com/" title="Facebook" target="\_new">Facebook</a> briefly as an intern in 2010. He graduated from the <a href="http://design.cmu.edu/" title="School of Design" target="\_new">Carnegie Mellon University School of Design's</a> Communication Design program in May 2011.</p>  <div id="friends">  <h3>I like these people</h3>  <a href="http://ashsmash.com/" target="\_new">Ash Huang</a>  <a href="http://victorng.net/" target="\_new">Victor Ng</a>  <a href="http://leebyron.com/" target="\_new">Lee Byron</a>  <a href="http://dianewuart.blogspot.com/" target="\_new">Diane Wu</a>  <a href="http://helloauan.com/" target="\_new">Jonathon Toon</a>  <a href="http://rsms.me/" target="\_new">Rasmus Andersson</a>  <a href="http://hiytrebla.com/" target="\_new">Albert Yih</a>  </div>  </div>  <footer>  <p>Justin Edmund is a maker focusing on product design and software development.  </p>  <p>He is happily working as a Product Designer at <a href="http://pinterest.com/" title="Pinterest" target="\_new">Pinterest</a> in San Francisco. Want to get in touch? <a href="mailto:hello@jedmund.com" title="" target="\_new">Send an email!</a></p>  <div id="social">  <a href="http://www.facebook.com/jedmund" target="\_new">facebook</a>  <a href="http://www.twitter.com/jedmund" target="\_new">twitter</a>  <a href="http://pinterest.com/jedmund" target="\_new">pinterest</a>  <a href="http://www.dribbble.com/jedmund" target="\_new">dribble</a>  <a href="http://quora.com/Justin-Edmund-1" target="\_new">quora</a>  <a href="http://github.com/jedmund" target="\_new">github</a>  <a href="http://vimeo.com/jedmund" target="\_new">vimeo</a>  <a href="http://linkedin.com/in/jedmund" target="\_new">linkedin</a>  </div>  <p>all works ©2007-2012 Justin Edmund, all rights reserved • Built on <a href="http://getfoundation.com/">Foundation</a> • <a href="http://jedmund.com/admin">admin</a></p>  </footer>  </body>  </html> |

### Exercisechallange

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| <!DOCTYPE html>  <!--  To change this license header, choose License Headers in Project Properties.  To change this template file, choose Tools | Templates  and open the template in the editor.  -->  <html>  <head>  <title>TODO supply a title</title>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="css/all.css">  <link rel="stylesheet" href="css/bootstrap.min.css">  <script src="js/jquery.min.js"></script>  <script src="js/bootstrap.bundle.min.js"></script>  <script>  $(document).ready(function () {  $("#btn1").click(function () {  $("div:eq(0)").css('background-color', 'red');  $("div:eq(1)").css('background-color', 'white');  $("div:eq(2)").css('background-color', 'white');  });  $("#btn2").click(function () {  $("div:eq(1)").css('background-color', '#39ff14');  $("div:eq(0)").css('background-color', 'white');  $("div:eq(2)").css('background-color', 'white');  });  $("#btn3").click(function () {  $("div:eq(2)").css('background-color', 'blue');  $("div:eq(0)").css('background-color', 'white');  $("div:eq(1)").css('background-color', 'white');  });  });  </script>  <style>  #btn1 , #btn2 , #btn3 {  border: none;  color: white;  padding: 15px 32px;  text-align: center;  text-decoration: none;  display: inline-block;  font-size: 16px;  margin: 4px 2px;  cursor: pointer;  }  #btn1 {background-color: #FF0000;} /\* Red \*/  #btn2 {background-color: #39ff14;} /\* Green \*/  #btn3 {background-color: #008CBA;} /\* Blue \*/  </style>  </head>  <body>  <div class="red">Akira</div>  <div class="green">The Matrix</div>  <div class="blue">Blade Runner</div>  <br></br>  <button id="btn1">Red</button>  <button id="btn2">Green</button>  <button id="btn3">Blue</button>  </body>  </html> |