

DATABASE MANAGEMENT SYSTEM LAB CSE-403L

SEMESTER:6TH



LAB REPORT # 6

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Task 7.1

Create a simple calculator using php. The calculator should collect the operands as well as the operator from the user using html form. (hint : Use Switch).

Code:

```
<!doctype html>
<html lang="en">

<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivrivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
    integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

    <title>Calculator</title>
    <style>
body{
    background-color: black;
    color: white;

}
.placeholder {
    height: 70px;

}
.container{
    box-shadow: rgba(0, 0, 0, 0.25) 0px 54px 55px, rgba(0, 0, 0, 0.12) 0px -
12px 30px, rgba(0, 0, 0, 0.12) 0px 4px 6px, rgba(0, 0, 0, 0.17) 0px 12px 13px,
    rgba(0, 0, 0, 0.09) 0px -3px 5px;
}
.btn{
    box-shadow: rgba(0, 0, 0, 0.35) 0px 5px 15px;
    background-color:blue;

}

    </style>
</head>
```

```

<body>
  <div class="container text-center justify-content-center border p-5 mt-5">
    <h1>Calculator</h1>
    <form action="calculator.php" method="GET">
      <div class="col-12 align-items-center">
        <input class="col-7 placeholder" type="number" required name="first">
      </div>
      <div class="col-12 align-items-center mt-2">
        <select class="col-7 placeholder" name="operator">
          <option>Add</option>
          <option>Subtract</option>
          <option>Multiply</option>
          <option>Divide</option>
        </select>
      </div>
      <div class="col-12 align-items-center mt-2">
        <input class="col-7 placeholder" type="number" required
name="second">
      </div>
      <div class="d-flex col-4 mt-2">
        <input class="ml-auto btn btn-info col-5 placeholder " type="submit"
value="Submit" name="submit">
      </div>
    </form>
    <?php
    if(isset($_GET['submit'])){
      $first_num = $_GET['first'];
      $second_num = $_GET['second'];
      $operator = $_GET['operator'];
      $result = '';

      switch ($operator) {
        case "Add":
          $result = $first_num + $second_num;
          break;
        case "Subtract":
          $result = $first_num - $second_num;
          break;
        case "Multiply":
          $result = $first_num * $second_num;
          break;
        case "Divide":
          $result = $first_num / $second_num;
          break;
      }
    }
  </body>

```

```

        echo "<h1>The Result is : <span style='color: green;'" . $result
    . "</span><h1>";
    }
    ?>
</div>

</body>

</html>

```

Output:

Calculator

Multiply ▼

Submit

The Result is : 125

Task 7.2

Write a php function which creates the pattern as shown in the figure below. Please note that the number of rows/cols should be dynamic. (i.e, the function can print the pattern depending on the number of rows/cols passed to it)

Code:

```

<!DOCTYPE html>
<html>

<head>
    <title></title>

```

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<style>
body{
    background-color:cornsilk;
    color: black;

}
input{
    margin-top: 10px;
}

form{
    padding:30px;

}
</style>
</head>

<body>
    <center>
    <form action="matrix.php" method="GET">
        <label for="row">Enter Rows: </label>
        <input type="number" name="row" required>
        <br>
        <label for="column">Enter Columns:</label>
        <input type="number" name="column" required>
        <br>
        <input type="submit" name="submit">
    </form>
    <table width="260px" cellspacing="0px" cellpadding="0px" border="1px">
        <!-- cell 270px wide (8 columns x 60px) -->
        <?php
            if (isset($_GET['submit'])) {
                $rowLenght = $_GET['row'];
                $columnLenght = $_GET['column'];
                for ($row=1;$row<=$rowLenght;$row++) {
                    echo "<tr>";
                    for ($col=1;$col<=$columnLenght;$col++) {
                        $total=$row+$col;
                        if ($total%2==0) {
                            echo "<td height=30px width=30px bgcolor='white'></td>";
                        } else {
                            echo "<td height=30px width=30px bgcolor='red'></td>";
                        }
                    }
                }
            }
        </?php>
    </table>
    </body>
</html>
```

```

        echo "</tr>";
    }
}
?>
</table>
</center>
</body>
</html>

```

Output:

Enter Rows:

Enter Columns:

Task 7.3

Create a html form which collects information from students (name, email address, address, gender, telephone number). The form must also have photo upload option. As soon as the user clicks “submit” button, he is redirected to another page where the following message appears “Thank you for providing the information. Your data has been submitted successfully”.

Code:

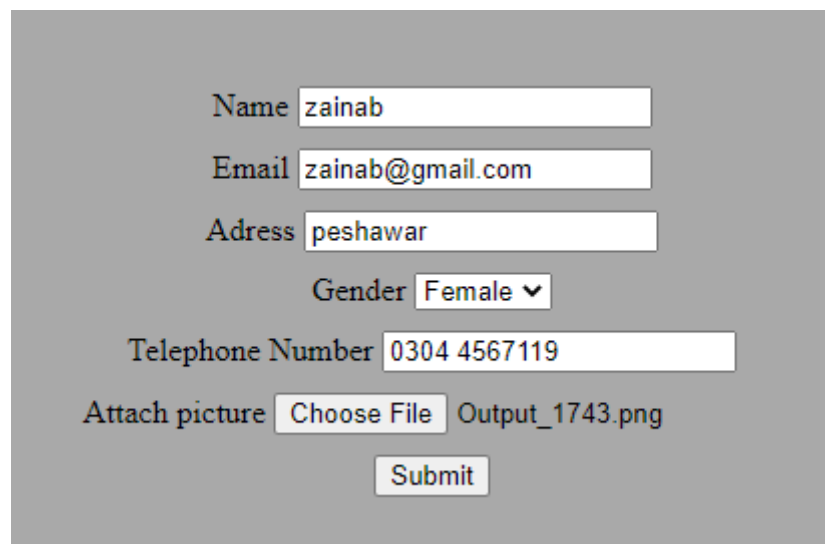
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Form</title>

  <style>
    input{
      margin-top: 10px;
    }
    select{
      margin-top: 10px;
    }
    form{
      padding:30px;
    }
  </style>
</head>
<body>
  <center>
    <form action="thanks.html">
      <label>Name</label>
      <input type="text" required><br>
      <label>Email</label>
      <input type="text" required><br>
      <label>Adress</label>
      <input type="text" required><br>
      <label>Gender</label>
      <select required>
        <option>Male</option>
        <option>Female</option>
      </select><br>
      <label>Telephone Number</label>
      <input type="tel" required><br>
      <label>Attach picture</label>
      <input type="file" required><br>
      <input type="submit">
    </form>
  </center>
</body>
</html>
```

Redirection Page:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Thanks</title>
</head>
<body>
  <center><h1 style="color:red">"Thank you Zainab for providing the
information. Your data has been submitted successfully"</h1></center>
</body>
</html>
```

Output:



A screenshot of a web form on a light gray background. The form contains the following elements: a text input for 'Name' with the value 'zainab'; a text input for 'Email' with the value 'zainab@gmail.com'; a text input for 'Adress' (misspelled) with the value 'peshawar'; a dropdown menu for 'Gender' with 'Female' selected; a text input for 'Telephone Number' with the value '0304 4567119'; and a file upload section for 'Attach picture' with a 'Choose File' button and the filename 'Output_1743.png'. At the bottom center is a 'Submit' button.

**“Thank you Zainab for providing the information.
Your data has been submitted successfully”**

Task 7.4

Build an image gallery website using PHP without database. Your website must show all the images in a given directory. Use bootstrap/CSS in your website. Please note that when a given

image is clicked, it enlarges it and shows in higher resolution. Also, your website should be flexible enough to show the images when number of images are increased or decreased from a given directory.

Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-
0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
crossorigin="anonymous">

    <link href="./styles.css" rel="stylesheet">
</head>

<body>
    <div class="navContainer">
        <nav class="navbar bg-light" class="navbar">
            <div class="container-fluid">
                <span class="navbar-brand mb-0 h1">Image Gallery</span>
            </div>
        </nav>
    </div>
    <h1>
        Gallery
    </h1>
    <div class="ParentDiv">
        <div class="container">

            <?php
            $directory = "./img";
            $images = glob($directory . "/*.");

            foreach($images as $image)
            {
```

```

        echo "<img src=$image class=imgClass>";
    }
    ?>

</div>

<div class="popup-image">
    <span>&times;</span>
    

</div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
beta1/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
pprn3073KE6t16bjs2QrFaJGz5/SUslQktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
crossorigin="anonymous">
</script>

<script>
document.querySelectorAll('.container img').forEach(image => {
    image.onclick = () => {
        document.querySelector('.popup-image').style.display = 'block';
        document.querySelector('.popup-image img').src =
image.getAttribute('src');
    }
});
document.querySelector('.popup-image span').onclick={()=>{
    document.querySelector('.popup-image').style.display = 'none';
}
</script>
</body>
</html>

```

Output:

Gallery



