



Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

MCA Science

2020-21

MCA Tri III

**MCA120B Lab on Advanced Web
Technologies**

Lab Manual

Lab Assessment Methodology

Class Continuous Assessment (CCA): 50 Marks

Lab book: 20 marks

Class test: 20 marks

Attendance: 10 Marks

Term End Examination: 50 Marks

Total assessment: 100 Marks

ASSIGNMENTS ON
LAB COURSE – MCA 120B
Lab on Advanced Web Technologies

MCA (Science): Trimester III

Name: Prasadkumar Ande

Roll No.: 03

Division: FY MCA

Certificate

This is to certify that Mr./Ms. **Prasadkumar Shivkumar Ande**, Roll. No. **03**, a student of MCA (Science), Trimester III has successfully completed ____ no. of assignments in Lab Course on MCA120B Lab on Advanced Web Technologies during A.Y. 2020-21.

Subject Teacher

Head of the Department

Principal

INDEX

Sr. No.	Title of the Assignment	Date	Page No.	Remark	Signature
MCAB Lab on Advanced Web Technologies					
1	Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.				
2	Create Website Registration Form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.				
3	Write two different PHP script to demonstrate passing variables through a URL.				
4	Write two different PHP script to demonstrate passing variables with sessions.				
5	Write PHP script to demonstrate passing variables with cookies.				
6	Write a program to keep track of how many times a visitor has loaded the page.				
7	Write an example of Error-handling using exceptions.				
8	Write a PHP script to connect MySQL server from your website.				
9	Write a program to read customer information like cust_no, cust_name, Item_purchase, and mob_no, from customer table and display all this information in table format on output screen.				
10	Write a program to edit name of customer to "Bob" with cust_no =1, and to delete record with cust_no=3.				
11	Write a program to read employee information like emp_no, emp_name, designation and salary from EMP table and display all this information using table format				
12	Create a dynamic web site using PHP and MySQL.				

INSTRUCTIONS

Practical Evaluation Format

The internal continuous assessment will be of 50 marks and end semester lab examination will be of 50 marks.

Sr. No.	Distribution of Marks	Marks
1	Continuous Assessment: After finishing every practical instructor should give the marks to respective assignment and evaluate those marks at the end of the trimester.	50
2	End Trimester Examination: Practical examination should be conducted by preparing slips which will contain 2 programs other than those which are covered in assignment book	50

1. About the assignment book

This workbook is intended to be used by students for the laboratory course. In Computer science, hands-on laboratory experience is critical to the understanding of theoretical concepts studied in the theory courses. This assignment book covers numerous computing problems covering all difficulty levels. This book will describe the continuous assessment of the course.

2. How to use this assignment book

This assignment book is mandatory for the completion of the laboratory course. It is a measure of the performance of the student in the laboratory for the entire duration of the course.

3. Instructions to the students

1. Students are expected to carry this book every time they come to the lab for practical session
2. Students should solve assignments which are selected by instructor as a part of practical session. However, students are free to solve additional assignments to do more practice for their practical examination.

Exercise	Difficult Level
Set A	Easy & Medium
Set B	Hard

3. Student will be assessed for each assignment on a scale of 5

Instruction to the Instructors

1. After a student completes a specific assignment, the instructor has to verify the outputs and sign in the provided space after the activity
2. Ensure that the students use good programming practices
3. Instructor should evaluate each assignment carried out by a student on a scale of 5

ASSIGNMENT NO. 1:

1. Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.

Answer :

Que1StudentRefistration.php

```
<html>
<head>
    <title>Student Registration</title>
</head>
<body>
    <h2 align="center">Enter Student Details</h2>
    <hr/>
    <form action="Que1Display.php" method="">
        Enter Roll No : <input type="text" name="rollno" ><br/>
        Enter Name : <input type="text" name="name"><br/>
        Enter Batch : <select name="batch">
            <option value="MCA">MCA</option>
            <option value="MBA">MBA</option>
        </select><br/>
        Select Gender : <input type="radio" name="gender" id="male" Value="Male">Male<br/>
                        <input type="radio" name="gender" id="female" Value="Female">Female<br/>
        <input type="submit" text="Submit" name="submit">
    </form>
</body>
</html>
```

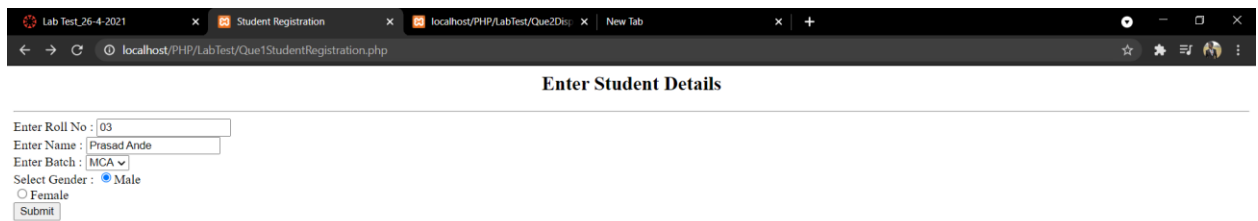
Que1Display.php

```
<?php
    $id = $_REQUEST["rollno"];
    $name = $_REQUEST["name"];
    $batch = $_REQUEST["batch"];
    $gender = $_REQUEST["gender"];

    echo "<h2 align='center'>Student Details</h2><hr/>";
    echo "ID is ".$id."<br/>";
    echo "Name is ".$name."<br/>";
    echo "Batch is ".$batch."<br/>";
    echo "Gender is ".$gender."<br/>";

?>
```


Output:



Lab Test_26-4-2021 x Student Registration x localhost/PHP/LabTest/Que2Dis: x New Tab x +

localhost/PHP/LabTest/Que1StudentRegistration.php

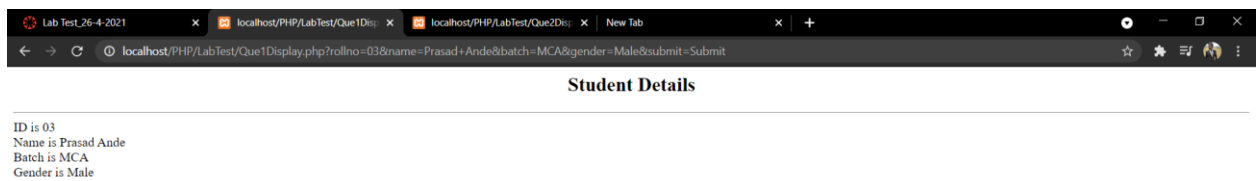
Enter Student Details

Enter Roll No :

Enter Name :

Enter Batch :

Select Gender : ☒ Male ☐ Female



Lab Test_26-4-2021 x localhost/PHP/LabTest/Que1Dis: x localhost/PHP/LabTest/Que2Dis: x New Tab x +

localhost/PHP/LabTest/Que1Display.php?rollno=03&name=Prasad+Ande&batch=MCA&gender=Male&submit=Submit

Student Details

ID is 03
Name is Prasad Ande
Batch is MCA
Gender is Male

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 2:

2. Create Website Registration Form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page

Answer :

Que2WebsiteRegistration.php

```
<html>
<head>
    <title>Website Registration</title>
</head>
<body>
    <h2 align="center">Enter Student Details</h2>
    <hr/>
    <form action="Que2Display.php" method="">
        Enter Name : <input type="text" name="name"><br/>
        Enter Phone Number : <input type="text" name="mbno" ><br/>
        Enter Address : <input type="text" name="address" ><br/>
        Enter City : <input type="text" name="city" ><br/>
        Enter Hobbies : <input type="checkbox" name="hobbies" id="cricket" val
ue="Cricket">Cricket<br/>
                        <input type="checkbox" name="hobbies" id="RIDING" valu
e="Riding">Riding<br/>
                        <input type="checkbox" name="hobbies" id="dancing" val
ue="Dancing">Dancing<br/>
        Select Gender : <input type="radio" name="gender" id="male" Value="Mal
e">Male<br/>
                        <input type="radio" name="gender" id="female" Value="F
emale">Female<br/>
        <input type="submit" text="Submit" name="submit">
    </form>
</body>
</html>
```

Que2Display.php

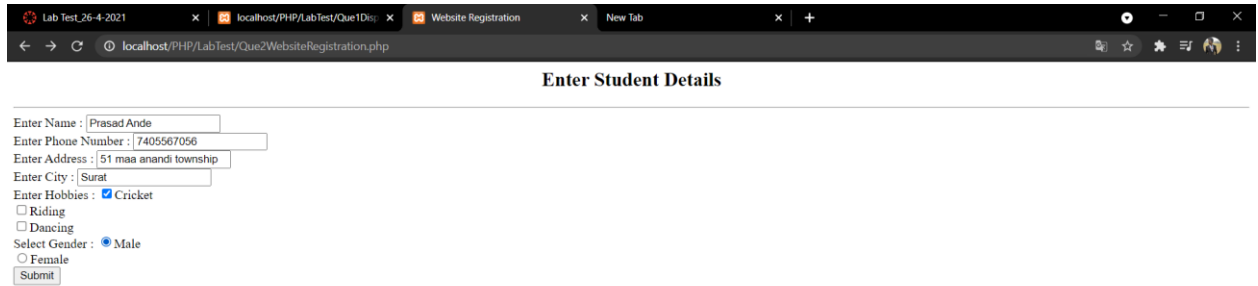
```
<?php
$name = $_REQUEST["name"];
$mbno = $_REQUEST["mbno"];
$address = $_REQUEST["address"];
$city = $_REQUEST["city"];
$hobbies = $_REQUEST["hobbies"];
$gender = $_REQUEST["gender"];

echo "<h2 align='center'>Registration Details</h2><hr/>";
echo "Name is ".$name."<br/>";
```

```
echo "Mobile Number is ".$mbno."<br/>";  
echo "Address is ".$address."<br/>";  
echo "City is ".$city."<br/>";  
echo "Hobbies is ".$hobbies."<br/>";  
echo "Gender is ".$gender."<br/>";
```

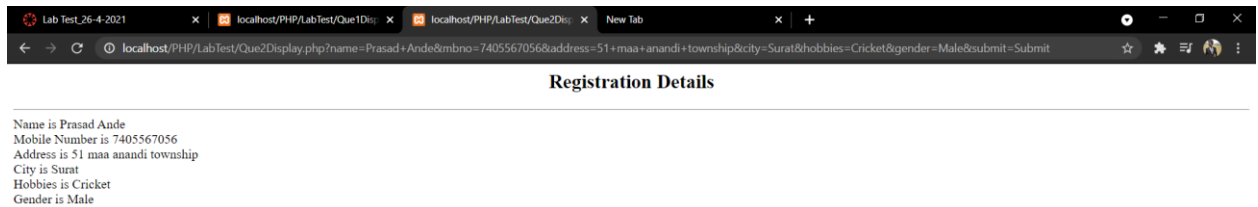
?>

Output:



The screenshot shows a web browser window with the address bar displaying 'localhost/PHP/LabTest/Que2WebsiteRegistration.php'. The page title is 'Enter Student Details'. The form contains the following fields and options:

- Enter Name :
- Enter Phone Number :
- Enter Address :
- Enter City :
- Enter Hobbies : ☒ Cricket, ☐ Riding, ☐ Dancing
- Select Gender : ☒ Male, ☐ Female
-



The screenshot shows a web browser window with the address bar displaying 'localhost/PHP/LabTest/Que2Display.php?name=Prasad+Ande&mbno=7405567056&address=51+maa+anandi+township&city=Surat&hobbies=Cricket&gender=Male&submit=Submit'. The page title is 'Registration Details'. The output of the form is displayed as follows:

Name is Prasad Ande
Mobile Number is 7405567056
Address is 51 maa anandi township
City is Surat
Hobbies is Cricket
Gender is Male

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 3:

3. Write two different PHP script to demonstrate passing variables through a URL.

Answer :

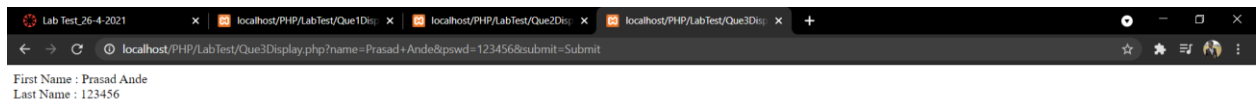
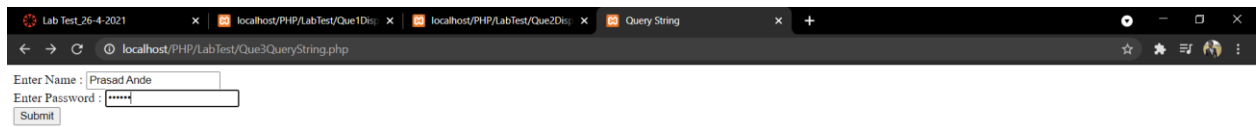
Que3QueryString.php

```
<html>
<head>
    <title>Query String</title>
</head>
<body>
    <form action="Que3Display.php?name=<?php echo $_REQUEST['name']; ?>&Last_name=<?php echo $_REQUEST['pswd']; ?>">
        Enter Name : <input type="text" name="name"><br/>
        Enter Password : <input type="password" name="pswd"><br/>
        <input type="Submit" name="submit" Text="Submit" ID="submit">
    </form>
</body>
</html>
```

Que3Display.php

```
<?php
echo "First Name : " . $_GET['name'] . "<br>";
echo "Last Name : " . $_GET['pswd'];
?>
```

Output:



Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 4:

4. Write two different PHP script to demonstrate passing variables with sessions.

Answer:

Que4Session.php

```
<html>
<head>
<title>Session Example</title>
</head>
<body>
<h2 align="center" >Enter Details</h2>
<hr/>
<form action="Que4Display.php">
    Enter Your First Name : <input type="text" name="fname"><br/>
    Enter Your Last Name : <input type="text" name="lname"><br/>
    Enter Your Email : <input type="text" name="email"><br/>
    <input type="submit" name="submit" value="Submit">
</form>
</body>
</html>
```

Que4Display.php

```
<?php
    echo "<h2 align='center'>Details by Using Sessions</h2><hr/>";

    session_start();
    if(isset($_REQUEST['submit']))
    {
        $fname = $_REQUEST['fname'];
        $lname = $_REQUEST['lname'];
        $email = $_REQUEST['email'];

        $_SESSION['fname'] = $fname;
        $_SESSION['lname'] = $lname;
        $_SESSION['email'] = $email;

        echo "First Name is : ".$_SESSION['fname'];
        echo "<br>";
        echo "Last Name is : ".$_SESSION['lname'];
        echo "<br>";
        echo "Email is : ".$_SESSION['email'];
    }
?>
```

Output:

Lab_Test_26-4-2021 x localhost/PHP/LabTest/Que1Dis x localhost/PHP/LabTest/Que2Dis x Query String x Session Example x +

localhost/PHP/LabTest/Que4Session.php

Enter Details

Enter Your First Name :

Enter Your Last Name :

Enter Your Email :

Lab_Test_26-4-2021 x localhost/PHP/LabTest/Que1Dis x localhost/PHP/LabTest/Que2Dis x Query String x localhost/PHP/LabTest/Que4Dis x +

localhost/PHP/LabTest/Que4Display.php?fname=Prasad&lname=Ande&email=andeprasad786%40gmail.com&submit=Submit

Details by Using Sessions

First Name is : Prasad
Last Name is : Ande
Email is : andeprasad786@gmail.com

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

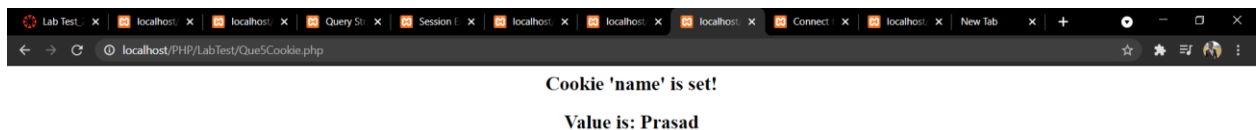
ASSIGNMENT NO. 5:

5. Write PHP script to demonstrate passing variables with cookies.

Answer:

```
<?php
    $cookie_name="name";
    $cookie_value="Prasad";
    setcookie($cookie_name,$cookie_value,time()+60,"/");
?>
<?php
    if(!isset($_COOKIE[$cookie_name]))
    {
        echo "<h2 align='center'>Cookie name ' ".$cookie_name."' is not set!</h2>";
    }
    else
    {
        echo "<h2 align='center'>Cookie ' ".$cookie_name."' is set!<br></h2>";
        echo "<h2 align='center'>Value is: " .$_COOKIE[$cookie_name]. "</h2>";
    }
?>
```

Output:



Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

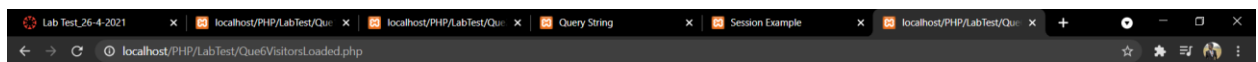
ASSIGNMENT NO. 6:

6. Write a program to keep track of how many times a visitor has loaded the page.

Answer:

```
<?php
    session_start();
    echo "<br>".isset($_SESSION);
    if(!isset($_SESSION['counter']))
    {
        $_SESSION['counter']=1;
    }
    else
    {
        $_SESSION['counter']++;
    }
    echo ("<h2>Views after Page Load :".$_SESSION['counter']. "</h2>");
?>
```

Output:



1

Views after Page Load :13

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 7:

7. Write an example of Error-handling using exceptions.

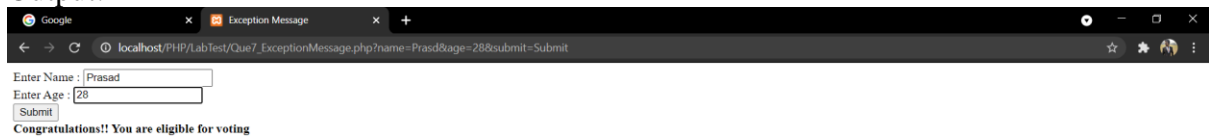
Answer :

```
<!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>Exception Message</title>
</head>
<body>
  <form>
    Enter Name : <input type="text" name="name"><br/>
    Enter Age : <input type="text" name="age"><br/>
    <input type="Submit" name="submit" Text="Submit" ID="submit">
  </form>

  <?php
    if(isset($_REQUEST['submit']))
    {
      $name=$_REQUEST['name'];
      $age=$_REQUEST['age'];
      function checkage($number)
      {
        if($number<=18)
        {
          throw new Exception("Sorry!!You are not eligible for voting");
        }
        return true;
      }
      try
      {
        checkage($age);
        echo '<div class="f"><b>Congratulations!! You are eligible for voting</b></div>';
      }
      catch(Exception $e)
      {
        echo '<div class="f"><b>' . $e->getMessage() . '</b></div>';
      }
    }
  ?>
```

```
</body>
</html>
```

Output:



Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

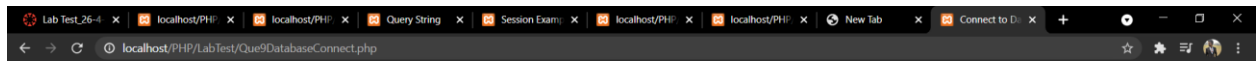
ASSIGNMENT NO. 8:

8. Write a PHP script to connect MySQL server from your website.

Answer:

```
<html>
  <head>
    <meta charset="UTF-8">
    <title>Connect to Database</title>
  </head>
  <body>
    <?php
      $dbhost="localhost:3306";
      $dbuser="root";
      $dbpass="";
      $db="php";
      $con = new mysqli($dbhost,$dbuser,$dbpass,$db) or die("Connection
failed:\n".$con->err);
    ?>
  </body>
</html>
```

Output:



Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 9:

9. Write a program to read customer information like cust_no, cust_name, Item_purchase, and mob_no, from customer table and display all this information in table format on output screen.

Answer :

```
<?php
$dbhost="localhost:3306";
$dbuser="root";
$dbpass="";
$db="customer";
$con=new mysqli($dbhost,$dbuser,$dbpass,$db) or die("Connection failed
:\n".$con->err);

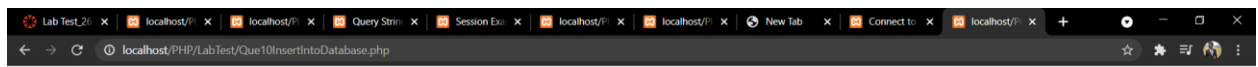
$sql="SELECT * FROM customer;";
$result=mysqli_query($con,$sql);

if(mysqli_num_rows($result) > 0)
{
    echo "<h2 align='center'>Customer Details</h2><br/><hr/><br/>";
    echo "<table border='1' align='center'>
    <tr>
    <th>CUSTOMER NUMBER</th>
    <th>CUSTOMER Name</th>
    <th>ITEMS</th>
    <th>PHONE NUMBER</th>
    </tr>";
    while($row=mysqli_fetch_assoc($result))
    {
        echo "<tr>";
        echo "<td>" . $row['cust_no'] . "</td>";
        echo "<td>" . $row['cust_name'] . "</td>";
        echo "<td>" . $row['items'] . "</td>";
        echo "<td>" . $row['phone_no'] . "</td>";
        echo "</tr>";

    }
    echo "</table>";
}else
{
    echo "0 Results";
}
mysqli_free_result($result);
mysqli_close($con);

?>
```

Output:



CUSTOMER NUMBER	CUSTOMER Name	ITEMS	PHONE NUMBER
1	Prasad	25	7405567056

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 10:

10. Write a program to edit name of customer to “Bob” with cust_no =1, and to delete record with cust_no=3.

Answer:

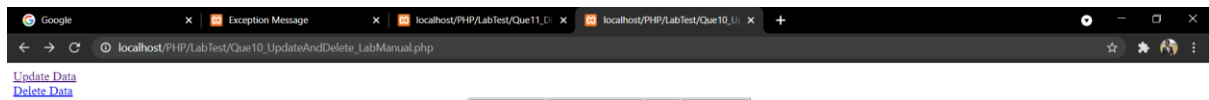
Que10_UpdateAndDelete_LabManual.php

```
<html>
<body>
<?php
$username = "root";
$password = "";
$databse = "customer";
$mysqli = new mysqli("localhost", $username, $password, $databse);
$query = "SELECT * FROM customer";

echo '<table border="1" align="center" cellpadding="2" cellspacing="2">
    <tr>
        <td> <font face="Arial">Customer ID</font> </td>
        <td> <font face="Arial">Customer Name</font> </td>
        <td> <font face="Arial">Items</font> </td>
        <td> <font face="Arial">Mobile No </font> </td>
    </tr>';

if ($result = $mysqli->query($query)) {
    while ($row = $result->fetch_assoc()) {
        $field1name = $row["cust_no"];
        $field2name = $row["cust_name"];
        $field4name = $row["items"];
        $field3name = $row["phone_no"];

        echo '<tr>
            <td>'.$field1name.'</td>
            <td>'.$field2name.'</td>
            <td>'.$field4name.'</td>
            <td>'.$field3name.'</td>
        </tr>';
    }
    $result->free();
}
?>
<a href="Que11_Update.php" >Update Data </a><br/>
<a href="Que11_Delete.php" >Delete Data </a>
</body>
</html>
```



Que10_Update.php

```
<!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>Update PHP</title>
</head>
<body>
    <form >
        Enter Customer ID : <input type="text" name="id"
><br/>
        Enter Customer Name : <input type="text" name="n
ame" ><br/>
        <input type="submit" name="update" Text="Update
Data">
    </form>
</body>
</html>
```

```
<?php
    if(isset($_REQUEST["update"]))
    {
        $hostname="localhost";
        $username="root";
        $password = "";
        $db = "customer";

        $connect = mysqli_connect($hostname,$username,$password,$db);

        $name = $_REQUEST["name"];
        $id = $_REQUEST["id"];

        $query = "update Customer set cust_name='$name' where cust_no=$id";
        $result = mysqli_query($connect,$query);

        if($result)
        {
            echo "Dataa Updated Successsfully";
        }
        else
        {
            echo "Data not Updated Successfully";
        }
    }
?>
```

Google x Exception Message x localhost/PHP/LabTest/Que11_Update.php x Update PHP x +

localhost/PHP/LabTest/Que11_Update.php

Enter Customer ID :

Enter Customer Name :

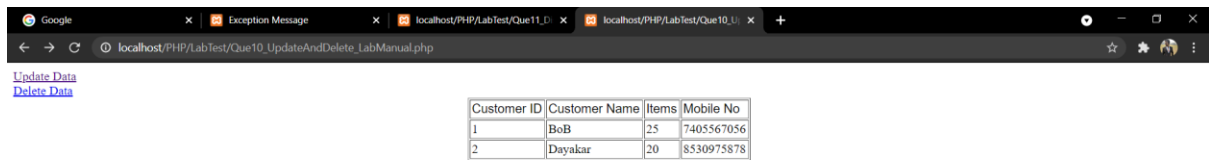
Google x Exception Message x localhost/PHP/LabTest/Que11_Update.php x Update PHP x +

localhost/PHP/LabTest/Que11_Update.php?id=1&name=BoB&update=Submit

Enter Customer ID :

Enter Customer Name :

Dataa Updated Successfully



Que10_Delete.php

```
<!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>Delete PHP</title>
</head>
<body>
    <form action="Que11_Delete.php">
        Enter ID : <input type="text" name="id" ><br/>
        <input type="submit" name="delete" Text="Delete
Data">
    </form>
</body>
</html>

<?php
    if(isset($_REQUEST["delete"]))
```

```
{
    $hostname="localhost";
    $username="root";
    $password = "";
    $db = "customer";

    $connect = mysqli_connect($hostname,$username,$p
assword,$db);

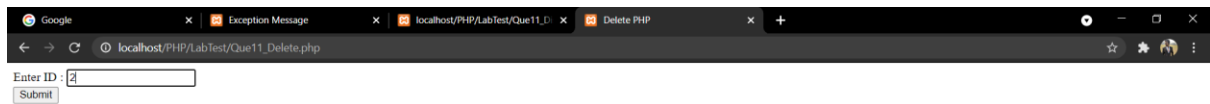
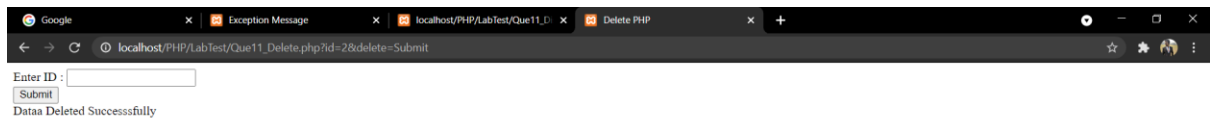
    $id = $_REQUEST["id"];

    $query="delete from customer where cust_no='$id'
";

    $result = mysqli_query($connect,$query);

    if($result)
    {
        echo "Dataa Deleted Successsfully";
    }
    else
    {
        echo "Data not Deleted Successfully";
    }
}

?>
```

Google Exception Message localhost/PHP/LabTest/Que11_D localhost/PHP/LabTest/Que10_U localhost/PHP/LabTest/Que10_UpdateAndDelete_LabManual.php

[Update Data](#)
[Delete Data](#)

Customer ID	Customer Name	Items	Mobile No
1	BoB	25	7405567056

Remark: _____

Start Date: _____ Date of Completion: _____

Signature of the Instructor: _____

ASSIGNMENT NO. 11:

11. Write a program to read employee information like emp_no, emp_name, designation and salary from EMP table and display all this information using table format.

Answer :

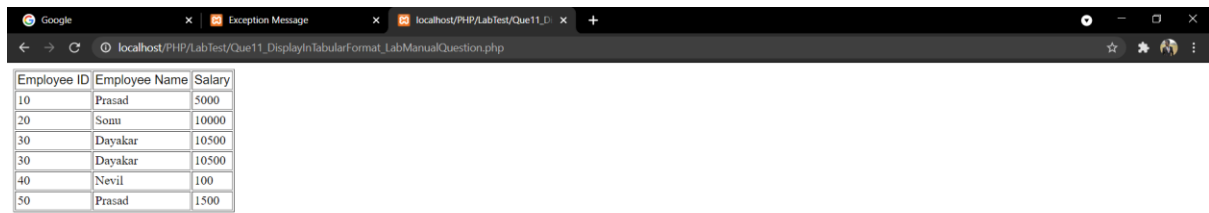
```
<html>
<body>
<?php
$username = "root";
$password = "";
$database = "demo";
$mysqli = new mysqli("localhost", $username, $password, $database);
$query = "SELECT * FROM emp";

echo '<table border="1" cellspacing="2" cellpadding="2">
    <tr>
        <td> <font face="Arial">Employee ID</font> </td>
        <td> <font face="Arial">Employee Name</font> </td>
        <td> <font face="Arial">Salary</font> </td>
    </tr>';

if ($result = $mysqli->query($query)) {
    while ($row = $result->fetch_assoc()) {
        $field1name = $row["id"];
        $field2name = $row["name"];
        $field4name = $row["sal"];

        echo '<tr>
            <td>' . $field1name . '</td>
            <td>' . $field2name . '</td>
            <td>' . $field4name . '</td>
        </tr>';
    }
    $result->free();
}
?>
</body>
</html>
```

Output:



The screenshot shows a web browser window with three tabs: 'Google', 'Exception Message', and 'localhost/PHP/LabTest/Que11_D...'. The address bar shows the URL 'localhost/PHP/LabTest/Que11_DisplayInTabularFormat_LabManualQuestion.php'. The main content area displays a table with three columns: 'Employee ID', 'Employee Name', and 'Salary'. The table contains six rows of data.

Employee ID	Employee Name	Salary
10	Prasad	5000
20	Sonu	10000
30	Dayakar	10500
30	Dayakar	10500
40	Nevil	100
50	Prasad	1500

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____

ASSIGNMENT NO. 12:

12. Create a dynamic web site using PHP and MySQL.

Remark: _____

Start Date: _____ Date of Completion:

Signature of the Instructor: _____