# Interfacing PHP with MySQL LAB REPORT # 6



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Data Base Management System Lab

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Class Section: B

"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

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**Department of Computer Systems Engineering** 

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#### Lab#06:

## Interfacing PHP with MySQL

#### **OBJECTIVES OF THE LAB**

This lab aims at the understanding of

- Type of MySQL Drivers in PHP
- PHP-MySQL Interfaces

-----Task#6.1-----

Complete Example 3 by providing a suitable query, its result, and then freeing result variable.

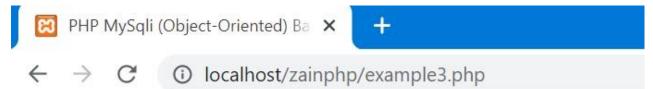
```
Code
```

```
<$bhp
//step 1. Database Connection +
Database Selection //server name,
user, user's password, and database
//must be provided.
$servername = "localhost";
$username = "root";
$password = "";
$database = "lab6";
// Create Connection
$conn = new mysqli($servername,
$username, $password, $database);
//step 2. Check Connection if ($conn-
>connect_error) { die("Connection failed: ".
$conn-
>connect_error); }
echo "Connected successfully ";
<!DOCTYPE html>
<html>
<head>
<title>PHP MySqli (Object-Oriented)
Basics</title>
</head>
<body>
<$bhp
$sql = "select * FROM department";
```

```
result =
mysqli_query($conn,$sql); if
(\text{sresult} == \text{false})
                      echo
"Eroor".mysqli_error($db); }
else{
          while($row =
mysqli_fetch_array ($result,
MYSQLI_ASSOC)){
                          printf("%s
%s\n",$row["id"],$row["name"]);
        $>
        <br/>br/>
        <?php
                    }
     mysqli_free_result($result);
  }
</body>
```

```
</html>
//step 6. Close Database Connection
$conn->close();
<?php
?>
```

#### Output



Connected successfully 32 Zain 75 Khan



Write PHP-MYSQLI Object-Oriented interface script that connects with one of the tables of your DBMS Lab Project (For instance, user table or accounts table or any of your choice). Perform the following:

- a. Apply the insert command on the table. Take the data from user via HTML Form constructs.
- b. Apply the update command on the table. Take the data from user via HTML Form constructs.
- c. Apply the delete query on the table. Take the data from user via HTML Form constructs.
- d. Apply the select query on the same table to retrieve data. Show the data in HTML Form Constructs.

#### Code

#### Add model

```
<!-- Add New -->

<div class="modalheader">

<div class="modalheader">

<div class="modalheader">

<div class="modalheader">

<div class="modalheader">

<div class="modal"

arialabelledby="myModalLabel"

ariahidden="true">

<div class="modal-dialog">

<div class="modal-dialog">

<div class="modalcontent">

</div class="modalcontent">
```

```
id="myModalLabel">Add New</h4></center>
                                                                        </div>
          </div>
                                                                     </div>
                                                                                          <div
          <div class="modalbody">
                                                        style="height:10px;"></div>
          <div class="container-fluid">
                                                                     <div class="row">
          <form method="POST" action="addnew.php">
                                                                        <div class="col-lq-2">
             <div class="row">
                                                                           <label
                                                                                       class="control-
               <div class="col-lg-2">
                                                        label"
                                                                              style="position:relative;
                  <label class="control-label"
                                                        top:7px;">Address:</label>
style="position:relative;
                                                        </div>
                                                                                  <div class="col-lg-
                                                        10">
top:7px;">Firstname:</label>
</div>
                       <div class="col-lg-
                                                                          <input
                                                                                         type="text"
10">
                                                        class="form-control" name="address">
                  <input
                                type="text"
                                                                        </div>
class="form-control" name="firstname">
                                                                     </div>
               </div>
                                                                   </div>
             </div>
                                  <div
                                                                   </div>
style="height:10px;"></div>
                                          <div
                                                                   <div class="modalfooter">
class="row">
                                                                     <button type="button" class="btn btn-
               <div class="col-lg-2">
                                                        default" data-dismiss="modal"><span
                  <label class="control-
                                                        class="glyphicon glyphiconremove"></span>
label" style="position:relative;
                                                        Cancel</button>
                                                                                       <button
top:7px;">Lastname:</label>
                                                        type="submit" class="btn btnprimary"><span</pre>
</div>
                       <div class="col-lg-
                                                        class="glyphicon glyphicon-floppy-disk"></span>
10">
                                                        Save < /a >
                                type="text"
                  <input
                                                                   </form>
class="form-control" name="lastname">
                                                                   </div>
                                                                </div>
                                                             </div>
```

</div>

## Addnew.php

```
include('conn.php');
<$bhp
  $firstname=$_POST['firstname'];
  $lastname=$_POST['lastname'];
  $address=$_POST['address'];
   mysqli_query($conn,"insert into user (firstname, lastname, address) values
('$firstname', '$lastname', '$address')");
                                                                   <div class="container-fluid">
header('location:index.php');
                                                        <h5><center>Are you sure to delete
                                                        <strong><?php echo ucwords($drow['firstname'].'</pre>
$>
                                                        '.$row['lastname']); ?></strong> from the list? This
                                                        method cannot be undone.</re>
Button.php
                                                        </div>
                                                                   </div>
                                                                                     <div
<!-- Delete -->
                                                        class="modalfooter">
                                                                                           <button
<div class="modal fade" id="del<?php echo
                                                        type="button" class="btn btn-default" data-
$row['userid']; ?>" tabindex="1" role="dialog"
                                                        dismiss="modal"><span class="glyphicon
arialabelledby="myModalLabel"
                                                        glyphiconremove"></span> Cancel</button>
ariahidden="true">
                                                         <a href="delete.php?id=<?php echo"
     <div class="modal-dialog">
                                         <div
                                                        $row['userid']; ?>" class="btn btndanger"><span</pre>
class="modalcontent">
                                                        class="glyphicon glyphicon-trash"></span>
          <div class="modalheader">
                                                        Delete</a>
             <button type="button" class="close"</pre>
                                                                   </div>
datadismiss="modal"
ariahidden="true">×</button>
                                                                </div>
<center><h4 class="modal-title"
                                                             </div>
id="myModalLabel">Delete</h4></center</pre>
                                                           </div>
                                                        <!-- /.modal -->
          </div>
                                       <div
class="modalbody">
          <php</pre>
             $del=mysqli_query ($conn,"select *
from user where userid="".$row['userid'].""");
$drow=mysqli_fetc h_array($del);
                                             $>
```

```
<!-- Edit -->
                                                         class="form-control" value="<?php echo
                                                         $erow['firstname']; ?>">
  <div class="modal fade" id="edit<?php echo
$row['userid']; ?>" tabindex="-1" role="dialog"
                                                                         </div>
arialabelledby="myModalLabel"
                                                                      </div>
                                                                                            <div
ariahidden="true">
                                                         style="height:10px;"></div>
     <div class="modal-dialog">
                                         <div
                                                                      <div class="row">
class="modalcontent">
                                                                         <div class="col-lg-2">
          <div class="modalheader">
                                                                            <label
             <button type="button" class="close"
                                                         style="position:relative;
datadismiss="modal"
                                                         top:7px;">Lastname:</label>
ariahidden="true">×</button>
                                                         </div>
                                                                                    <div class="col-lg-
                                                         10">
<center><h4 class="modal-title"
id="myModalLabel">Edit</h4></center>
                                                                            <input type="text"
          </div>
                                                         name="lastname" class="form-control"
          <div class="modalbody">
                                                         value="<?php echo $erow['lastname']; ?>">
                                                                         </div>
          <?php</pre>
             $edit=mysqli_quer y($conn,"select *
                                                                      </div>
                                                                                            <div
from user where userid="".$row['userid'].""");
                                                         style="height:10px;"></div>
$erow=mysqli_fetc h_array($edit);
                                             $>
                                                                      <div class="row">
<div class="container-fluid">
                                                                         <div class="col-lg-2">
          <form method="POST"</pre>
                                                                            <label
action="edit.php?id=<?php echo</pre>
                                                         style="position:relative;
$erow['userid']; ?>">
                                                         top:7px;">Address:</label>
             <div class="row">
                                                         </div>
                                                                                    <div class="col-lg-
                                                         10">
               <div class="col-lq-2">
                                                                            <input type="text"
                  <label
                                                         name="address" class="form-control"
style="position:relative;
top:7px;">Firstname:</label>
                                                         value="<?php echo $erow['address']; ?>">
</div>
                       <div class="col-lg-
                                                                         </div>
10">
                                                                      </div>
                  <input type="text" name="firstname"</pre>
                                                                    </div>
                                                                    </div>
                                                                    <div class="modalfooter">
                                                                      <button type="button" class="btn btn-
                                                         default"
```

## Conn.php

```
<?php

//MySQLi Procedural
$conn = mysqli_connect("localhost","root","","sample"); if (!$conn) {
die("Connection failed: " . mysqli_connect_error());
}

?>
```

## delete.php

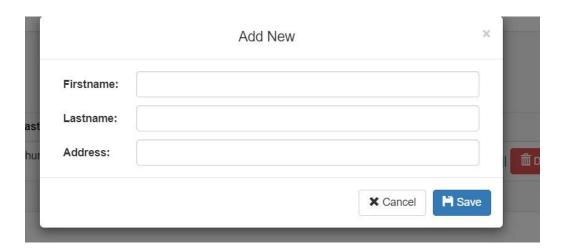
# edit.php

```
<?php include('conn.php');</pre>
                                                          <html>
                                                          <head>
                                                             <title>PHP/MySQLi CRUD Operation using
  $id=$_GET['id'];
                                                          Bootstrap/Modal</title>
                                                                                     <script
                                                          src="https://ajax.googleapis.com/ajax
  $firstname=$_POST['firstname'];
                                                          /libs/jquery/3.1.0/jquery.min.js"></s cript>
  $lastname=$_POST['lastname'];
                                                          <link rel="stylesheet"</pre>
  $address=$_POST['address'];
                                                          href="https://maxcdn.bootstrapcdn.com
mysqli_query($conn,"update user set
                                                          /bootstrap/3.3.6/css/bootstrap.min.cs s" />
firstname='$firstname', lastname='$lastname',
                                                          <script src="https://maxcdn.bootstrapcdn.com/</pre>
address='$address' where userid='$id'");
                                                          bootstrap/3.3.7/js/bootstrap.min.js">
header('location:index.php');
                                                          </script>
$>
                                                          </head>
Index.php
                                                          <body>
<!DOCTYPE html>
                                                          <div class="container">
```

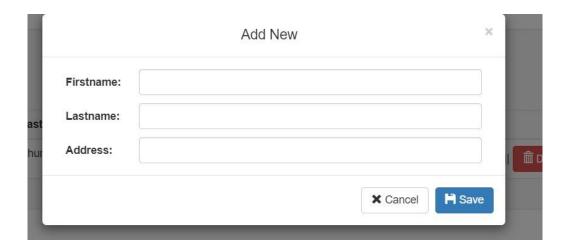
```
<div style="height:50px;"></div>
                                                                 <?php echo
class="well" style="margin:auto; padding:auto;
                                                   ucwords($row['lastname']);
width:80%;"> <span style="font-size:25px;
                                                   $>
color:blue"><center><strong>PHP/MySQL i
                                                                 <?php echo
CRUD Operation using
                                                   $row['address']; ?>
                                                                                        Bootstrap</strong></center></span>
                                                   <a href="#edit<?php echo $row['userid']; ?>"
<span class="pull-left"><a href="#addnew"</pre>
                                                   data-toggle="modal" class="btn btn-
data-toggle="modal" class="btn btn-
                                                   warning"><span class="glyphicon glyphicon-
primary"><span class="glyphicon
                                                   edit"></span> Edit</a> | |
glyphiconplus"></span> Add
                                                   <a href="#del<?php echo $row['userid']; ?>"
New </a> </span>
                                                   data-toggle="modal" class="btn btn-
style="height:50px;"></div>
                              <table
                                                   danger"><span class="glyphicon glyphicon-
class="table tablestriped table-bordered table-
                                                   trash"></span> Delete</a>
hover">
              <thead>
                                                   <?php include('button.php'); ?>
         Firstname
                                                   Lastname
                                                               Address
                                                               <$bhp
         Action
                                                            }
       </thead>
                                                          $>
       <$bhp
                                                          include('conn.php');
                                                        $query=mysqli_query($ conn,"select * from
                                                     </div>
`user`");
               while($row=mysqli_fet
                                                     <?php include('add_model.php');</pre>
                            ŝ>
ch_array($query)){
                                                   $>
           </div>
<?php echo ucwords($row['firstname']);
                                                   </body>
$>
                                                   </html>
```

#### **Output**

Add new



• Edit:



• Delete:

------Perform

Task 6.2 using PHP-PDO (PHP Data Objects) interface.

# Add model

```
<!-- Add New -->
<a href="div class="modal fade" id="addnew" tabindex="-1"</a>
role="dialog" arialabelledby="myModalLabel"
ariahidden="true">
  <div class="modal-dialog">
     <div class="modal-content">
                                         <div
class="modalheader">
          <button type="button" class="close" data-</pre>
dismiss="modal" aria-hidden="true">×</button>
          <center><h4 class="modal-title"
id="myModalLabel">Add New</h4></center>
        </div>
       <div class="modal-body">
                                          <div
class="containerfluid">
       <form method="POST" action="add.php">
          <div class="row formgroup">
             <div class="colsm-2">
               <label class="control-label"
style="position:relative; top:7px;">Firstname:</label>
             </div>
             <div class="colsm-10">
               <input type="text" class="form-control"
name="firstname">
             </div>
          </div>
```

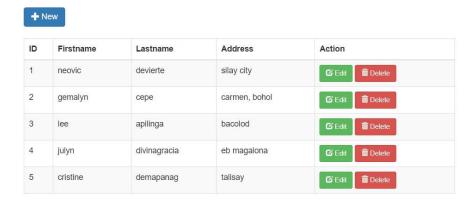
```
<div class="row formgroup">
             <div class="colsm-2">
               <label class="control-label"
style="position:relative;
top:7px;">Lastname:</label>
             </div>
             <div class="colsm-10">
                <input type="text" class="form-
control" name="lastname">
             </div>
          </div>
          <div class="row formgroup">
             <div class="colsm-2">
               <label class="control-label"
style="position:relative;
top:7px;">Address:</label>
</div>
             <div class="colsm-10">
                <input
                              type="text"
class="form-control" name="address">
             </div>
          </div>
        </div>
        </div>
        <div class="modalfooter">
          <button type="button" class="btn btn-
default" data-
```

```
dismiss="modal"><span class="glyphicon
                                                                </form>
glyphiconremove"></span> Cancel</button>
                                                                </div>
<button type="submit" name="add" class="btn</pre>
btnprimary"><span class="glyphicon glyphicon-
                                                             </div>
floppy-disk"></span>
                                                           </div>
                                                        </div>
Save < /a >
                                                       $_POST['firstname'] , ':lastname' =>
                                                       $_POST['lastname'] , ':address' =>
                                                       Add
                                                       successfully': 'Something went wrong. Cannot add
                                                       member';
                                                                        catch(PDOException $e){
<$bhp
         session_start();
                                                               $_SESSION['message'] =
include_once('connection.php');
                                                       $e->getMessage();
  if(isset($_POST['add'])){
                               $database =
                      $db = $database-
new Connection();
>open();
              try{
                                                            //close connection
       //make use of prepared statement to
                                                            $database->close();
                           stmt = db
prevent sql injection
                                                              else{
>prepare("INSERT INTO members
                                                            $_SESSION['message'] = 'Fill up add form
(firstname, lastname, address) VALUES
                                                       first';
(:firstname, :lastname, :address)");
                                       //if-
                                                              header('location: index.php');
else statement in executing our prepared
                 $_SESSION['message'] = (
                                                      $>
$stmt->execute(array(':firstname' =>
                                                         wrong. Cannot delete member';
                                                                                            }
                                                         catch(PDOException $e){
                                                                $_SESSION['message'] =
Delete
                                                         $e->getMessage();
<?php
         session_start();
include_once('connection.php');
                                                              //close connection
  if(isset($_GET['id'])){
                                                              $database->close();
     $database = new Connection();
                                           db =
                                                                else{
$database->open();
                        try{
                                    sql = DELETE
                                                         $_SESSION['message'] =
FROM members WHERE id = "...$ GET['id']."";
                                                         'Select member to delete first';
       //if-else statement in executing our query
                                                                header('location: index.php');
SESSION['message'] = ( db->exec(sql))?
'Member deleted successfully': 'Something went
                                                         $>
                                                          if(isset($_POST['edit'])){
                                                                                      $database =
                                                                              db = database
                                                       new Connection();
Edit
                                                       >open();
                                                                                 $id = $_GET['id'];
                                                                     try{
                                                               $firstname =
         session_start();
<$bhp
                                                       $_POST['firstname'];
include_once('connection.php');
                                                               $lastname =
                                                       $_POST['lastname'];
```

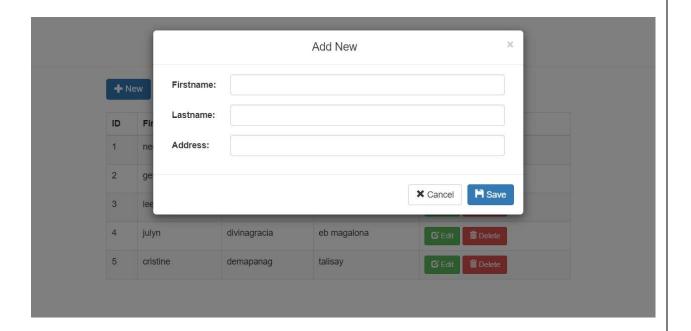
```
$address =
                                                        $e->getMessage();
$_POST['address'];
        $sql = "UPDATE members SET firstname =
                                                             //close connection
'$firstname', lastname = '$lastname', address =
                                                             $database->close();
'$address' WHERE id = '$id'";
                                     //if-else
statement in executing our query
                                                             $_SESSION['message'] = 'Fill up edit form
$_SESSION['message'] = ( $db->exec($sql) ) ?
                                                        first';
'Member updated successfully': 'Something went
                                                               header('location: index.php');
wrong. Cannot update member';
            catch(PDOException $e){
                                                        $>
        $_SESSION['message'] =
```

## Output

# PHP CRUD Operation using PDO



## Add new



# Stored Data in PhpMyadmin:

