Lab Report No. 06



Submitted By: Muhammad Musa

Registration No: 22pwcse2157

Section: Section C

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

Department of Computer Systems Engineering
University of Engineering and Technology Peshawar

Task 6.1

Result:



- 10 Computer Systems Engineering
- 15 Electrical Engineering
- 20 Chemical Engineering
- 25 Mining Engineering

Task Two:

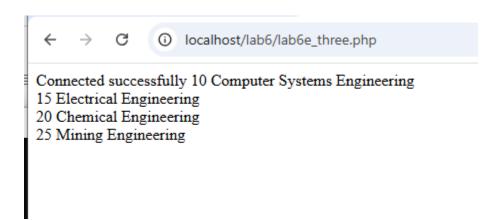
Results:



- 10 Computer Systems Engineering
- 15 Electrical Engineering
- 20 Chemical Engineering
- 25 Mining Engineering

Task Three:

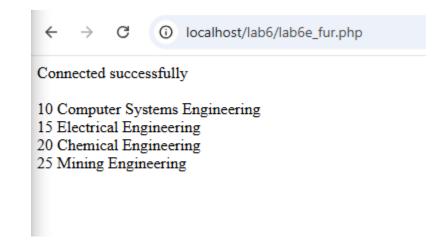
Results:



Example 4:

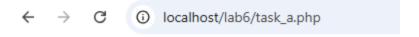
```
lab6e_one.php
                 😭 lab6etwo.php
                                   📅 lab6e_three.php
                                                        nab6e_fur.php X
: > Users > musa > Desktop > 6th_Semester > 6Th_Semester > DBMS_Lab > Lab06 > 🦛 lab6e_fur.php
     $username = 'root';
     $password = '';
    try {
         $str = 'mysql:host=localhost;dbname=Musa;charset=utf8';
         $db = new PDO(dsn: $str, username: $username, password: $password);
        $db->setAttribute(attribute: PDO::ATTR_ERRMODE, value: PDO::ERRMODE_EXCEPTION);
        echo "Connected successfully<br><<br>';
     } catch(PDOException $e) {
         echo "Connection failed: " . $e->getMessage();
     <!DOCTYPE html>
     <title>PHP PDO Basics</title></head><body>
    $q = $db->prepare(query: "SELECT * FROM department");
    $q->execute();
    $q_records = $q->fetchAll();
     foreach ($q_records as $row) {
       printf(format: "%s %s\n", values: $row["departmentID"], $row["department_name"]);
         echo "<br>";
    $db = null;
30
```

Results:



Task a:

Results:



Connected successfully

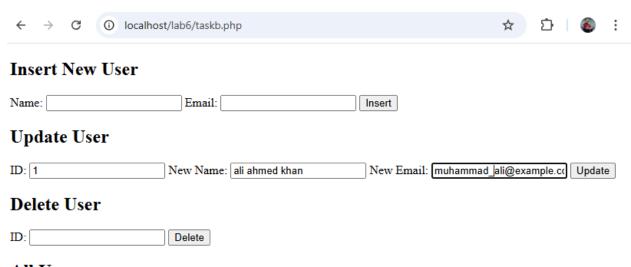
- 10 Computer Systems Engineering
- 15 Electrical Engineering
- 20 Chemical Engineering
- 25 Mining Engineering

Task b:

```
: > Users > musa > AppData > Local > Temp > Rar$Dla2064.23785.rartemp > 💝 taskb.php
    $conn = new mysqli(hostname: "localhost", username: "root", password: "", database: "Musa");
         die("Connection failed: " . $conn->connect_error);
    if (isset($_POST['insert'])) {
         $name = $_POST['name'];
         $email = $_POST['email'];
         $sql = "INSERT INTO users (name, email) VALUES ('$name', '$email')";
         $conn->query(query: $sql);
    if (isset($_POST['update'])) {
        $id = $_POST['id'];
         $name = $_POST['name
         $email = $_POST['email'];
         $sql = "UPDATE users SET name='$name', email='$email' WHERE id=$id";
         $conn->query(query: $sql);
    if (isset($_POST['delete'])) {
        $id = $_POST['id'];
         $conn->query(query: $sql);
    <!DOCTYPE html>
```

```
<title>Task 6.2 - PHP MySQLi OOP</title>
<h2>Insert New User</h2>
<form method="post">
    Name: <input type="text" name="name" required>
    Email: <input type="email" name="email" required>
    <input type="submit" name="insert" value="Insert">
<h2>Update User</h2>
<form method="post">
    ID: <input type="number" name="id" required>
    New Name: <input type="text" name="name">
   New Email: <input type="email" name="email">
    <input type="submit" name="update" value="Update">
<h2>Delete User</h2>
<form method="post">
    ID: <input type="number" name="id" required>
    <input type="submit" name="delete" value="Delete">
<h2>All Users</h2>
```

Results:



All Users

ID	Name	Email
1	Ali Khan	ali@example.com
2	Sara Ahmed	sara@example.com
3	ali ahmed	muhammadali@example.com

Task C;

```
} catch (PDOException $e) {
    die("Connection failed: " . $e->getMessage());
<!DOCTYPE html>
   <title>Task 6.2 - PDO</title>
<h2>Insert New User</h2>
<form method="POST"</pre>
    Name: <input type="text" name="name" required>
    Email: <input type="email" name="email" required>
    <input type="submit" name="insert" value="Insert">
<h2>Update User</h2>
<form method="POST">
    ID: <input type="number" name="update_id" required>
    New Name: <input type="text" name="new_name" required>
   New Email: <input type="email" name="new_email" required>
    <input type="submit" name="update" value="Update">
<h2>Delete User</h2>
<form method="POST">
```

Results:

Insert New User Name: Email: Insert Update User ID: New Name: New Email: Update Delete User ID: Delete

All Users

ID	Name	Email
1	ali ahmed khan	muhammad_ali@example.com
2	Sara Ahmed	sara@example.com
3	ali ahmed	muhammadali@example.com

