DEU CENG

CME4414
LAB SHEET #5

PHP MySQL

MySQL

MySQL is an open source relational database management system (RDBMS).

MySQL MySQL is free and open-source software under the terms of the GNU General Public License.


phpMyAdmin

phpMyAdmin is a free and open source tool written in PHP intended to handle the administration of MySQL with the use of a web browser.

phpMyAdmin can perform various tasks such as creating, modifying or deleting databases, tables, fields or rows; executing SQL statements; or managing users and permissions.

Start MySQL from Xampp Control Panel for Database operations. Click Admin button to reach phpMyAdmin.
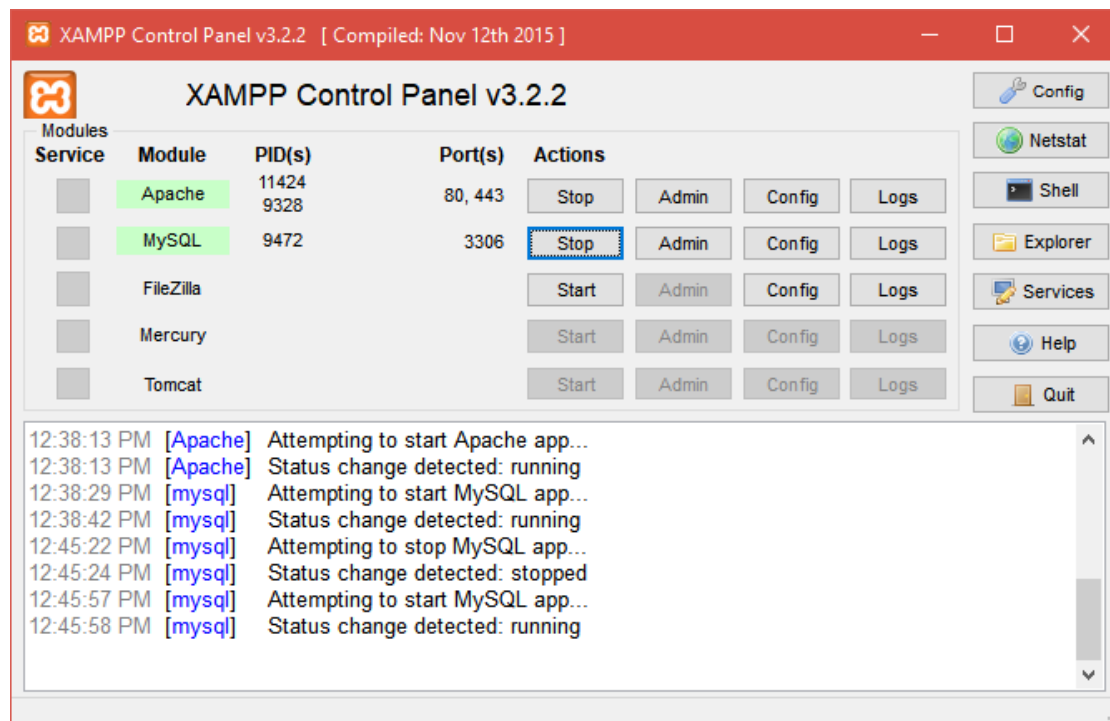
Database Connection:

```php
$servername = "localhost";
$username = "root";
$password = "";

// Create connection
    $conn = new mysqli($servername, $username, $password);


// Check connection
    if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
    }
            echo "Connected successfully";

$conn->close();
```

SQL Sample: INSERT

```php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "testdb";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed : " . $conn->connect_error);
}

// TR
$conn->set_charset("utf8");


$sql = "INSERT INTO user (Name, Phone)
    VALUES ('Özgür Aydın', '0542 1234567')";

if ($conn->query($sql) === TRUE) {
    $last_id = $conn->insert_id;
     echo "New User : " . $last_id . " recorded.";
}
else {
```

```
        echo "Error: " . $sql . "<br>" . $conn->error;
}
```

SQL Sample: Select – db_3

```php
<?php

//DB connection
………

$sql = "SELECT ID, Name, Phone FROM user";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
?>
<ul>
      <?php
            while($row = $result->fetch_assoc()) {
      ?>

      <li>
      <?php echo "id: " . $row["ID"]. ", User Name: " . $row["Name"]. ", User
Phone: " . $row["Phone"]; ?>
      </li>

      <?php
            }
      ?>
</ul>
<?php
}
else {
      echo " User not found!";
}

//DB connection close
……
?>
```

Example – db_4

Take name, phone number from user and save to DB.

```php
<?php

    function safely($data) {

        $data = trim($data);

        $data = stripslashes($data);

        $data = htmlspecialchars($data);

        return $data;

    }

    $adsoyad = $telefon = "";

    if(isset($_POST["nsname"]) && isset($_POST["phone"])) {

        $adsoyad = safely($_POST[…]);

        $telefon = safely(……);


        $sql = "INSERT INTO user (Name, Phone)

        VALUES ('$adsoyad', …..)";

        if ($conn->query($sql) === TRUE) {

            $last_id = $conn->insert_id;

            echo "New user:  " . $last_id . " saved.";

        }

        else {

            echo "Error: " . $sql . "<br>" . $conn->error;

        }

    }

?>
```