Presentation 2:

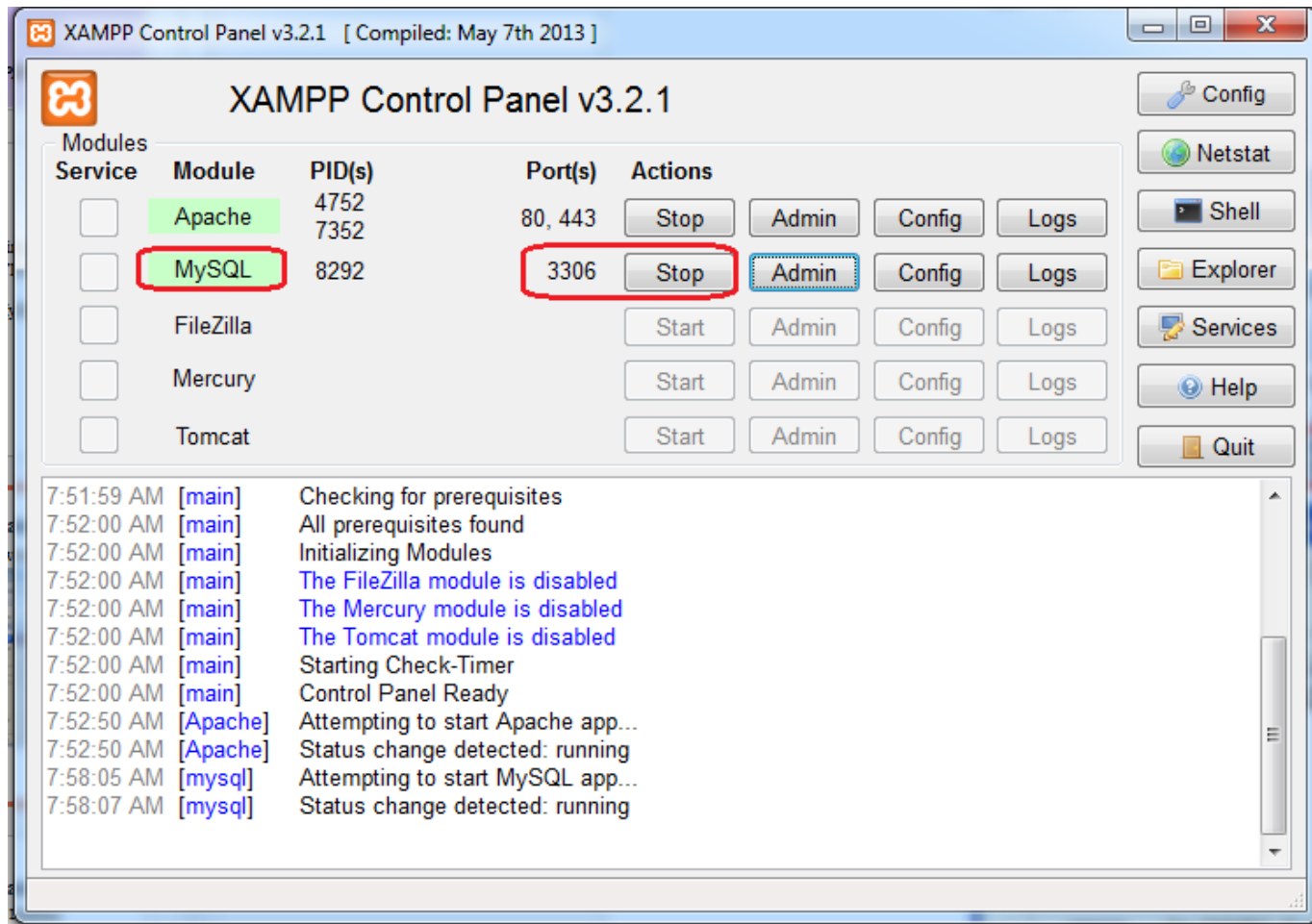# Using MySQL databases with PHP scripts

MySQL Database with PHP

Objectives

- Connecting to MySQL Database using XAMPP
- INSERTING, UPDATING, DELETING records within MySQL database
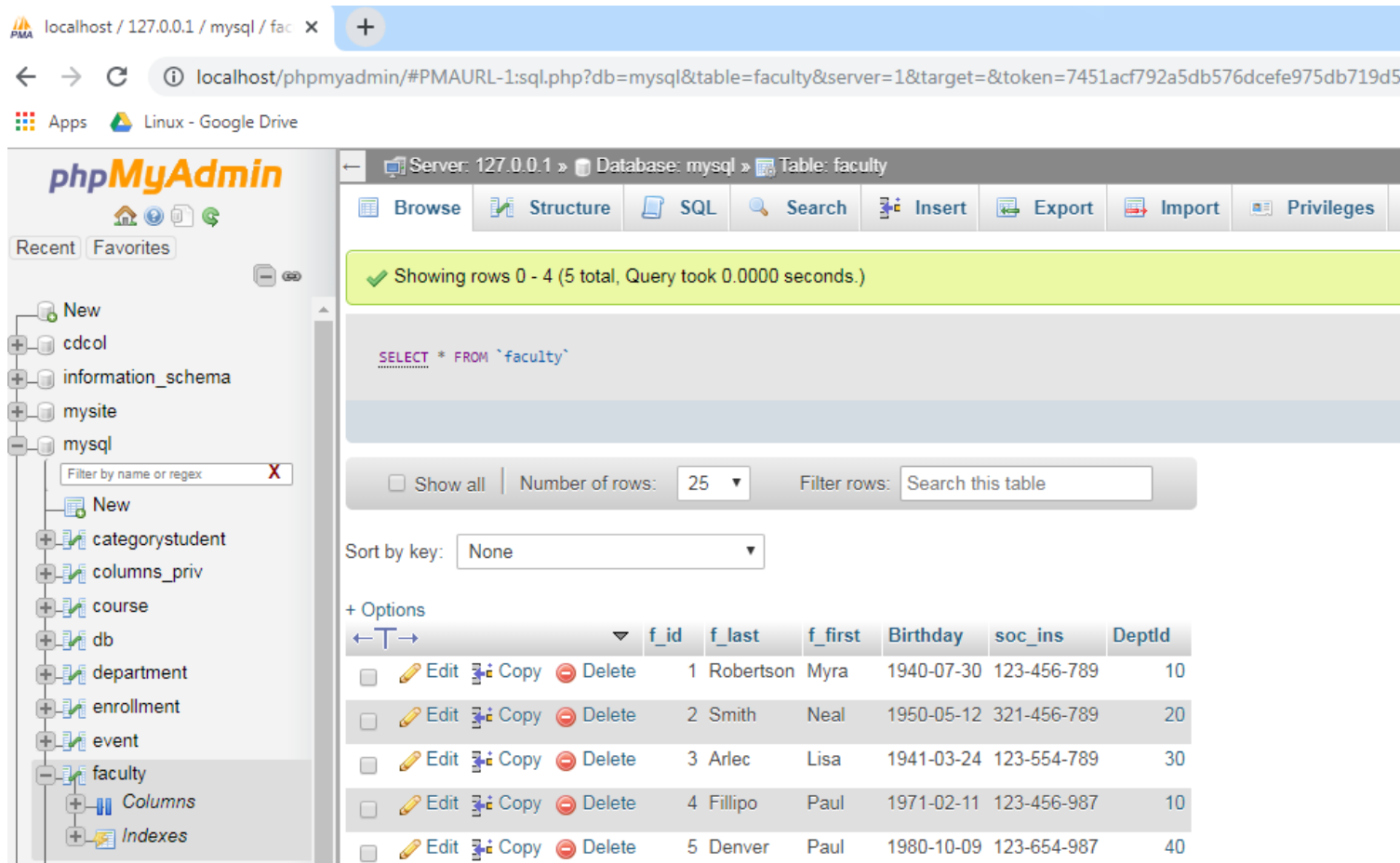- Creating PHP *session*

Connecting to MySQL Database

Launch the XAMPP Control Panel, start MySQL :

Connecting to MySQL Database

Press Admin to start browser-based phpMyAdmin:

Connecting to MySQL Database

Use PHP functions mysqli_connect (), mysqli_select_db (), and mysqli_close () to connect to MySQL Database.
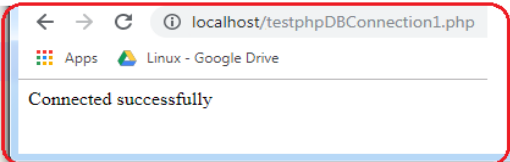
```html
<html>
    <head>
        <title>Selecting MySQL Database</title>
    </head>

    <body>
        <?php

            $dbhost = "localhost";
            $dbuser = "root";
            $dbpass = "";
            $conn = mysqli_connect($dbhost, $dbuser, $dbpass, "mysql");

            if(! $conn ) {
                die("Could not connect: " . mysql_error());
            }
            echo "Connected successfully";
            mysqli_select_db($conn, "Faculty" );

            mysqli_close($conn);
        ?>
    </body>
</html>
```

```
←  →  C    ① localhost/testphpDBConnection1.php
   Apps    Linux - Google Drive
Connected successfully
```

INSERTING record into MySQL table

Use SQL Command to insert record into MySQL table

```php
//SQL Query
$query = "INSERT INTO Faculty VALUES(6, 'Ali', 'Menphis',45000)";

//Execute query
mysqli_query($conn, $query) or die(mysqli_error($conn));
```

MySQL Database with PHP

INSERTING record from HTML form into MySQL table

Use SQL Command to insert record into MySQL table

```php
$query = "INSERT INTO Faculty VALUES VALUES
          ('$_POST[name]', $_POST[salary]);";

//Execute query
mysqli_query($conn, $query) or die(mysqli_error($conn));
```

UPDATING record into MySQL table

Use SQL Command to update record into MySQL table

```
//SQL Query
  $Query = "UPDATE employees SET FirstName = 'Johnathan', MiddleName = 'Zedra'
  WHERE EmployeeID = 12;";

//Execute query
  mysqli_query($conn, $query) or die(mysqli_error($conn));
```

DELETING record from MySQL table

Use SQL Command to delete record from MySQL table

```php
//SQL Query
  $Query = "DELETE FROM employees WHERE EmployeeID = 7";

//Execute query
  mysqli_query($conn, $query) or die(mysqli_error($conn));
```

Using Session

- Session handling is a way of holding on to data as a user navigates your Web site.
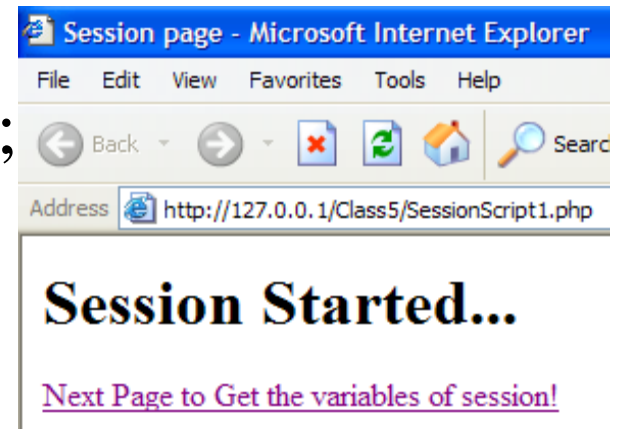
    1. Session_start( )

        this function creates a session if one has not been already started, or it *resumes* a session if a session ID is present for the user.

    2. Session_destroy( )

        this function destroys all the variables and values registered for the current session.

Using Session (continue)

- In this example, favcolor, animal, time are the names of the session variables, and green, cat, time() are their respective values.

- You must explicitly add the name of the variable to the $_SESSION super global.

```php
<?php session_start();
$_SESSION["favcolor"] = "green";
$_SESSION["animal"]   = "cat";
$_SESSION["time"]     = time();
?>
```

Session page - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back | Searc

Address   http://127.0.0.1/Class5/SessionScript1.php

Session Started...

Next Page to Get the variables of session!

Using Session (continue)

- You can extract the value (using $_SESSION["favcolor"].
- The session_start( ) function performs several tasks. Use it at the beginning of all session-related scripts.

```php
<?php
  session_start();
  // Read session variables
  echo "The value of theses variables are: <br>";
  $favcolor1 = $_SESSION["favcolor"];
  $animal1 = $_SESSION["animal"];
  $time1= $_SESSION["time"];
  echo $favcolor1."<br>";
  echo $animal1."<br>";
  echo $time1."<br>";
?>
```
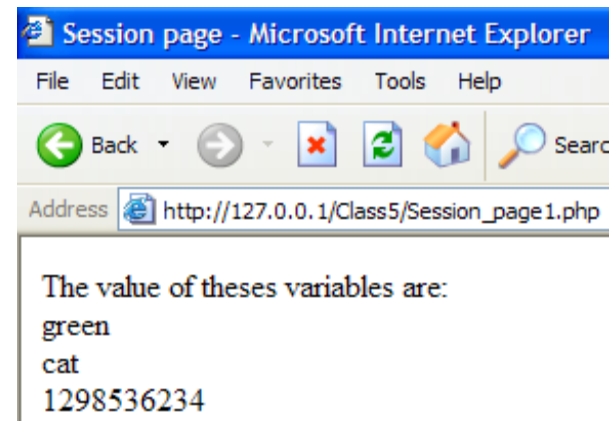

Session page - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Searc

Address   http://127.0.0.1/Class5/Session_page1.php

The value of theses variables are:
green
cat
1298536234

- Check in *Windows/Temp* that the *Write permission* is enabled

Summary

- How to connect from PHP script to MySQL database

- Learn how to use SQL commands for INSERTING, UPDATING, DELETING records within MySQL database.

- Creating PHP *session*.