PHP and MySQL Introduction

Course Code:CSC 3215   Course Title: Web Technologies

Dept. of Computer Science
Faculty of Science and Technology

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Lecture Outline

1. MySQL installation
2. phpMyAdmin Dashboard
3. Using phpMyAdmin

MySQL Installation

- Open XAMPP control panel and make sure that Apache and MySQL service is running
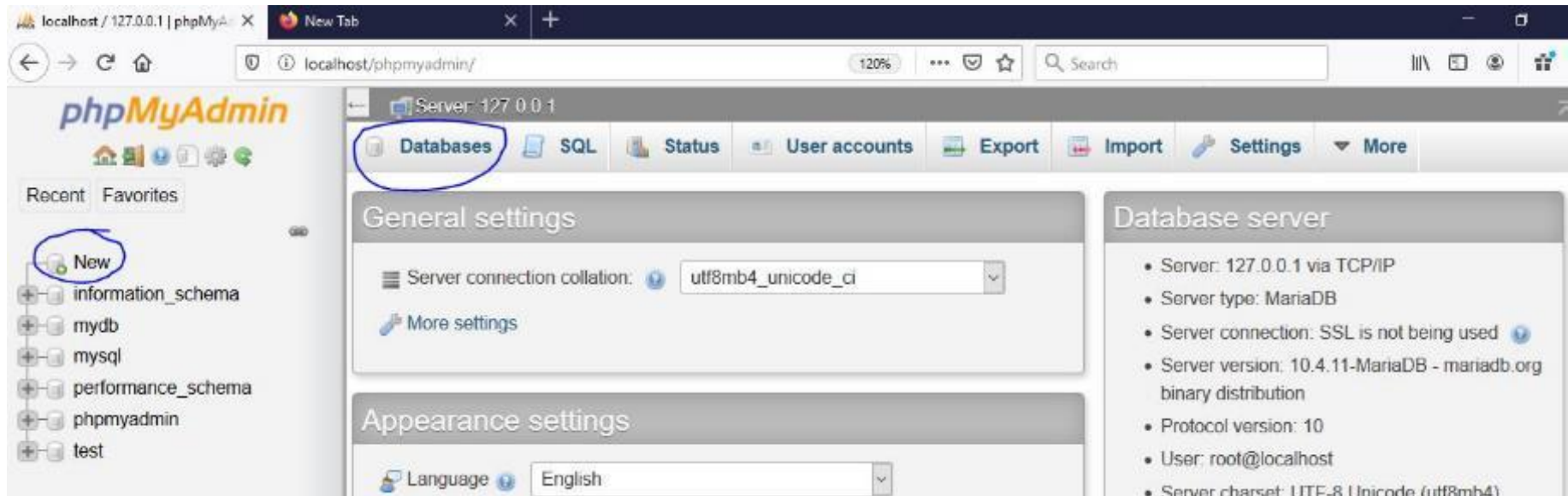
phpMyAdmin

- Open a browser then type 'localhost' or 'localhost:8080' or 'localhost:8082'
- Then navigate to 'phpMyAdmin'

phpMyAdmin Dashboard

- Below picure shows 'phpMyAdmin' dashboard
- To check existing database, the user can click on 'Databases'
- User can create database by clicking 'New'

Create DB

- User can create database by entering the database name click create button
- If the database successfully created then it will appear on left menu.

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PHP and MySQL Connection

Create a php file and try out below code. If it returns "Connected successfully" then connection between PHP and MySQL is successful

```php
<?php
$servername = "localhost"; // default host name
$username = "root"; // default  user is root
$password = ""; //default password is empty

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

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

References

- MySQL - www.mysql.com
- W3Schools Online Web Tutorials- www.w3schools.com
- PHP Manual - www.php.net

Books

- Sams Teach Yourself Ajax JavaScript and PHP All in One; Phil Ballard and Michael Moncur;
- Sams Publishing; 2010
- JavaScript Phrasebook; Christian Wenz; Sams Publishing; 2007
- PHP and MySQL Web Development, 4/E; Luke Welling and Laura Thomson; AddisonWesley Professional; 2009
- JavaScript for Programmers Paul J. Deitel and Harvey M. Deitel; Prentice Hall; 2009