
Series of practical exercises 7

Exercise 1:

- Create a file named **myform.php** with this content:

```
1 <html>
2   <body>
3     <form name="input" action="action.php" method="get">
4       First name: <input type="text" name="firstname"><br/>
5       Last name: <input type="text" name="lastname"><br/>
6       Username: <input type="text" name="username"><br/>
7       Password: <input type="password" name="password"><br/>
8       <input type="submit" value="Submit">
9     </form>
10  </body>
11 </html>
```

- Create **action.php** that prints out values sent by the form **myform.php**. (Use `$_GET['firstname'], $_GET['lastname'], ...`)
- Test your solution at <http://localhost/myform.php>

Exercise 2:

Use **phpMyAdmin** at <http://localhost/phpmyadmin> to :

- Create a database named **mydb**
- Create a table named **mytable** with these fields (**id**, **firstname**, **lastname**)
- Insert 4 records of data into **mytable** using **phpMyAdmin**
- Use this code to print the content of **mytable** in a web page:

```
1 <?php
2 $servername = "127.0.0.1"; //Server name
3 $username = "root"; //User name
4 $password = ""; //Password
5 $dbname = "mydb"; //DB name
6
7 $conn = new mysqli($servername, $username, $password, $dbname); //Connecting
   to server
8 if ($conn->connect_error) {
9   die("Connection failed: " . $conn->connect_error);
10 }
11
12 $sql = "SELECT id, firstname, lastname FROM mytable"; // Query
13 $result = $conn->query($sql); //Query execution
14
15 if ($result->num_rows > 0) { //Number of records
16   while($row = $result->fetch_assoc()) { //Extraction
17     echo "id: " . $row["id"]. "<br/>";
18     echo "First name: " . $row["firstname"] . "<br/>";
19     echo "Last name: " . $row["lastname"]. "<br/><br/>";
20   }
21 } else {
22   echo "No rows";
23 }
24 $conn->close(); //Closing session
25 ?>
```

Exercise 3:

- Use the same database **mydb** from Exercise 2.
- Create a new table named **department** with fields (**id**, **dept_name**).
- Add a **dept_id** field to **mytable** and insert data so each user belongs to a department.
- Create a file named **select_join.php**.
- Write two **SELECT** queries:
 - Query 1: Display all users with their department name using a **LEFT JOIN**.
 - Query 2: Display only users whose **lastname** starts with **A** and show their department name.
- Display each result set in a separate HTML table.