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**------- DB main Queries ------**

Database: phplessons » Table: posts

// 1) ინფორმაციის შეტანა ბაზაში - insert Query

insert INTO posts (subject, content, date) VALUES ('This is subject', 'Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit', '2020-01-22 20:11:25');

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// 2) ინფორმაციის გადმოტანა ბაზიდან - Select Query

SELECT \* FROM `posts`

SELECT `subject` FROM posts

SELECT \* FROM `posts` WHERE id='1'

SELECT \* FROM `posts` WHERE id='1' AND subject='This is subject'

SELECT \* FROM `posts` WHERE id='1' OR subject='This is ject'

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// 3) ინფორმაციის რედაქტირება - Update Query

UPDATE `posts`

SET subject='This is New Test Subject'

---- ამ შემთხვევაში subject შეიცვლება ყველა row-ში, რადგანაც მითითებული არ გვაქვს, თუ რომელი id-ში უნდა შეიცვალოს !!!

UPDATE posts

SET subject='This is New Test Subject', content='This is New Test content'

---- ამ შემთხვევაში subject და content შეიცვლება ყველა row-ში, რადგანაც მითითებული არ გვაქვს, თუ რომელი id-ში უნდა შეიცვალოს !!!

UPDATE posts

SET subject='This is New Test Subject', content='This is New Test content'

WHERE Id='1'

---- ამ შემთხვევაში subject და content შეიცვლება მხოლოდ იმ row-ში, რომელიც მითითებული გვაქვს id-ის სახით !!!

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// 4) ინფორმაციის წაშლა ბაზიდან - Delete Query

DELETE FROM posts

WHERE id='1'

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// 5) ინფორმაციის დალაგება ზრდადობით ან კლებადობით - ORDER BY (ASC ან DESC)

SELECT \* FROM posts ORDER BY id ASC - ზრდადობით id-ის მეხედვით

SELECT \* FROM posts ORDER BY id DESC - კლებადობით id-ის მეხედვით

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**------- How to CONNECT to a DB -------**

step 1 - set DB parametres:

$DB\_ServerName = "localhost";

$DB\_UserName = "root";

$DB\_Password = "";

$DB\_Name = "LoginSystem";

step 2 - put DB parametres into the mysql\_connection() function:

$conn = mysqli\_connect($DB\_ServerName, $DB\_UserName, $DB\_Password, $DB\_Name);

step 3 - SELECT data into DB with SQL statement:

$sql = "SELECT \* FROM `users`;";

ან/და

$sql = "SELECT \* FROM `users` WHERE user\_first='Daniel';";

ან/და

$sql = "SELECT 'user\_email' FROM `users` WHERE user\_first='Daniel';";

step 4 - INSERT Data into Website from DB (Quering Code):

$result = mysqli\_query($conn, $sql);

step 5 - Check results:

$resultCheck = mysqli\_num\_rows($result);

step 6 - save info in variable ($row) with assoc array and fetch it:

if ($resultCheck > 0) {

while ($row = mysqli\_fetch\_assoc($result)) {

echo $row['user\_uid']."<br>";

}

}

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# **\*\*\* 1) Connect To DB (dbh.inc.php):**

<?php

$DB\_ServerName = "localhost";

$DB\_UserName = "root";

$DB\_Password = "";

$DB\_Name = "LoginSystem";

$conn = mysqli\_connect($DB\_ServerName, $DB\_UserName, $DB\_Password, $DB\_Name);

?>

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# **\*\*\* 2) insert Data from DB into Page <<<< :**

<?php

include\_once 'includes/dbh.inc.php';

?>

<!DOCTYPE html>

<head>

<title>Document</title>

</head>

<body>

<?php

$sql = "SELECT \* FROM `users`;";

$result = mysqli\_query($conn, $sql);

$resultCheck = mysqli\_num\_rows($result);

if ($resultCheck > 0) {

while ($row = mysqli\_fetch\_assoc($result)) {

echo $row['user\_id']."<br>";

echo $row['user\_first']."<br>";

echo $row['user\_last']."<br>";

echo $row['user\_email']."<br>";

echo $row['user\_uid']."<br>";

echo $row['user\_pwd']."<br>";

}

}

?>

</body>

</html>

---------------------------------------------------------------------------------------

# **\*\*\* 3) insert Data into DB from Page >>>> :**

<?php

include\_once 'dbh.inc.php';

$First\_name = mysqli\_real\_escape\_string($conn, $\_POST['First\_name']) ;

$Last\_name = mysqli\_real\_escape\_string($conn, $\_POST['Last\_name']);

$Email = mysqli\_real\_escape\_string($conn, $\_POST['Email']);

$User\_uid = mysqli\_real\_escape\_string($conn, $\_POST['User\_uid']);

$Password = mysqli\_real\_escape\_string($conn, $\_POST['Password']);

$sql = "INSERT INTO users (user\_first, user\_last, user\_email, user\_uid, user\_pwd) VALUES ('$First\_name', '$Last\_name', '$Email', '$User\_uid', '$Password');";

mysqli\_query($conn, $sql);

header("Location: ../index\_38\_insert\_into\_DB.php?signup=success")

?>

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**-------- Prepared statements -------**

# **// 1) Prepared statements - insert data into Page from DB <<<<**

*// This Functions of Prepared statemnts are only for PP PHP (Not for OOP PHP) !!!*

$data1 = "Admin";

$data2 = "Daniel";

$sql = "SELECT \* FROM `users` WHERE user\_uid=? AND user\_first=?;";

$stmt = mysqli\_stmt\_init($conn);

if (!mysqli\_stmt\_prepare($stmt, $sql)) {

echo "SQL statement failed!";

} else {

mysqli\_stmt\_bind\_param($stmt, "ss", $data1, $data2);

mysqli\_stmt\_execute($stmt);

$result = mysqli\_stmt\_get\_result($stmt);

while ($row = mysqli\_fetch\_assoc($result)) {

echo $row['user\_id']."<br>";

echo $row['user\_first']."<br>";

echo $row['user\_last']."<br>";

echo $row['user\_email']."<br>";

echo $row['user\_uid']."<br>";

echo $row['user\_pwd']."<br>";

}

}

# **// 2) Prepared statements - insert data from Page into DB >>>>**

*// This Functions of Prepared statemnts are only for PP PHP (Not for OOP PHP) !!!*

include\_once 'dbh.inc.php';

$First\_name = mysqli\_real\_escape\_string($conn, $\_POST['First\_name']) ;

$Last\_name = mysqli\_real\_escape\_string($conn, $\_POST['Last\_name']);

$Email = mysqli\_real\_escape\_string($conn, $\_POST['Email']);

$User\_uid = mysqli\_real\_escape\_string($conn, $\_POST['User\_uid']);

$Password = mysqli\_real\_escape\_string($conn, $\_POST['Password']);

$sql = "INSERT INTO users (user\_first, user\_last, user\_email, user\_uid, user\_pwd) VALUES (?, ?, ?, ?, ?);";

$stmt = mysqli\_stmt\_init($conn);

if (!mysqli\_stmt\_prepare($stmt, $sql)) {

echo "SQL error!";

} else {

mysqli\_stmt\_bind\_param($stmt, "sssss", $First\_name, $Last\_name, $Email, $User\_uid, $Password);

mysqli\_stmt\_execute($stmt);

}

header("Location: ../insert\_into\_DB.php?signup=success")

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