Subject : INT 301 - OPEN SOURCE TECHNOLOGIES

Topic : Submission of CA-2 (Project)

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GitHub Repository Link : https://github.com/11603430/INT-301-Assignment

Problem Statement : Consider a php form with columns id, first name, last name, email id.

Insert following data in the database and fetch all the data in descending order of first name.

id	first_name	last_name	email
1	arun	sharma	a@gmail.com
2	bharath	sharma	b@gmail.com
3	nitin	joshi	n@gmail.com

Description : user will enter first name, last name, email id on a form these values are inserted to database when user clicks on submit button. Data from database is displayed in descending order of first name.it dynamically sorts data when new values are inserted into database they are added to output and sorted in descending order.

Test Cases : screenshots of test cases are attached below. Each test case has two screenshots while entering input and after clicking submit button

Code

Code snippet to connect to database, receive post data and insert data into database

```php
<?php

//php code to connect to the database int301 as root

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "INT301";

// Create connection

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

// Check connection

if ($conn->connect_error) {

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

}

//code to insert data submitted through form to the database

if(isset($_POST["submit"]))

{

$firstName=$_POST["firstName"];

$lastName=$_POST["lastName"];

$emailId=$_POST["emailId"];
```

```php
$query="insert into `users` (`firstName`,`lastName`,`emailId`)
values('$firstName','$lastName','$emailId');";

mysqli_query($conn, $query);

}

?>
```

Code snippet to fetch data from database and display them in Descending order of first name

```php
<?php

//code to display the contents of the database as a table in descending order of first name

$q="select * from users order by firstName desc";

$result=mysqli_query($conn, $q);

while($row = mysqli_fetch_assoc($result))

{

echo "<tr><td>" . $row["id"]. "</td><td>" . $row["firstName"]. "</td><td> " . $row["lastName"].

"</td><td>".$row["emailId"]."</td></tr>";

}

?>
```

First Name arun
Last Name sharma
Email Id a@gmail.com
submit

User details in below table are sorted in descending order of first name

User Details

Id	First Name	Last Name	Email Id

1.

2.

First Name bharath
Last Name sharma
Email Id b@gmail.com
submit

User details in below table are sorted in descending order of first name

User Details

Id	First Name	Last Name	Email Id
1	arun	sharma	a@gmail.com

First Name | nitin
Last Name | joshi
Email Id | n@gmail.com

submit

User details in below table are sorted in descending order of first name

User Details

Id	First Name	Last Name	Email Id
2	bharath	sharma	b@gmail.com
1	arun	sharma	a@gmail.com

3.

4.

First Name | ajay
Last Name | dondapati
Email Id | aj@gmail.com

submit

User details in below table are sorted in descending order of first name

User Details

Id	First Name	Last Name	Email Id
3	nitin	joshi	n@gmail.com
2	bharath	sharma	b@gmail.com
1	arun	sharma	a@gmail.com

5.

First Name [enter your first name]
Last Name [enter your last name]
Email Id [enter your email Id]
[submit]

User details in below table are sorted in descending order of first name

User Details

Id	First Name	Last Name	Email Id
3	nitin	joshi	n@gmail.com
2	bharath	sharma	b@gmail.com
1	arun	sharma	a@gmail.com
4	ajay	dondapati	aj@gmail.com

Working :

User Input

User Details

Id	First Name	Last Name	Email Id
9	zootopia	Zootropolis	Zootropolis@gmail.com
6	zakir	khan	z@gmail.com
4	ravi	gurram	r@gmail.com
3	nitin	joshi	n@gmail.com
8	elliot	alderson	ea@gmail.com
2	bharath	sharma	b@gmail.com
5	hannu	babu	bb@gmail.com
1	arun	sharma	a@gmail.com
10	andrew	russel	ar@gmail.com
7	inder	pearce	ap@gmail.com

User Details

Id	First Name	Last Name	Email Id
9	zootopia	Zootropolis	Zootropolis@gmail.com
6	zakir	khan	z@gmail.com
4	ravi	gurram	r@gmail.com
3	nitin	joshi	n@gmail.com
8	elliot	alderson	ea@gmail.com
2	bharath	sharma	b@gmail.com
5	hannu	babu	bb@gmail.com
1	arun	sharma	a@gmail.com
10	andrew	russel	ar@gmail.com
11	ajay	dondapati	aj@gmail.com
7	inder	pearce	ap@gmail.com

Output after clicking submit

Values in Database

```
mysql>
mysql>
mysql>
mysql>
mysql> select * from users;
+----+-----------+-----------+-------------+
| id | firstName | lastName  | emailId     |
+----+-----------+-----------+-------------+
|  1 | arun      | sharma    | a@gmail.com |
|  2 | bharath   | sharma    | b@gmail.com |
|  3 | nitin     | joshi     | n@gmail.com |
|  4 | ajay      | dondapati | aj@gmail.com|
+----+-----------+-----------+-------------+
4 rows in set (0.00 sec)
```