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Enrollment -9921103135

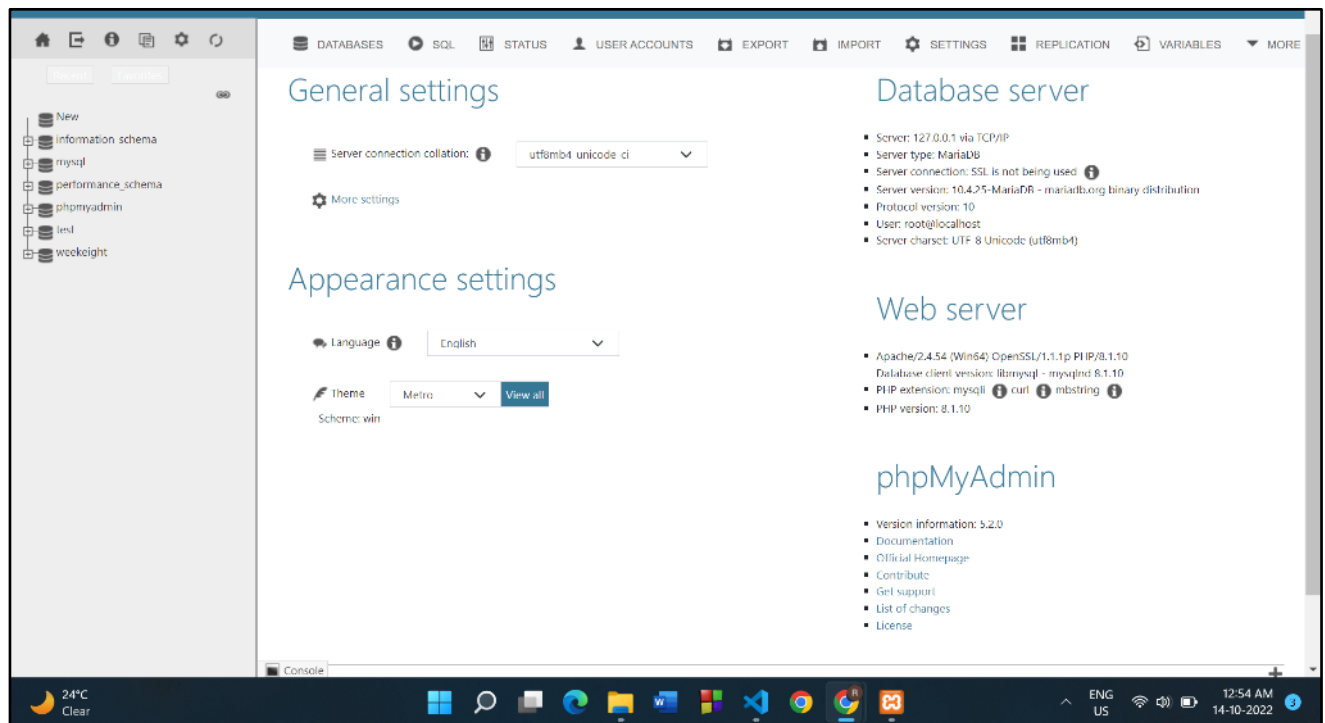
Assignment: 8 (PHP + SQL)

1. Create a PHP program and show the connectivity with my SQL and through PHP script create table Student(Enrollment no, Name, Age, Course) and perform following operation.
 - (a) Insert the record for 10 students.
 - (b) Delete those student records who has age above 22.
 - (c) perform update operation on atleast 2 rows.
 - (d) display all the records after each operation.

```
<?php
// Create connection
$conn = mysqli_connect("localhost:3308","root");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
}
else
    echo "Hello World!<br>";

// Create database
$sql="create database weekeight";
if (mysqli_query($conn,$sql))
{
    echo "Database created successfully";
}
else
{
    echo "Error creating database: " . mysqli_error();
}
?>
```





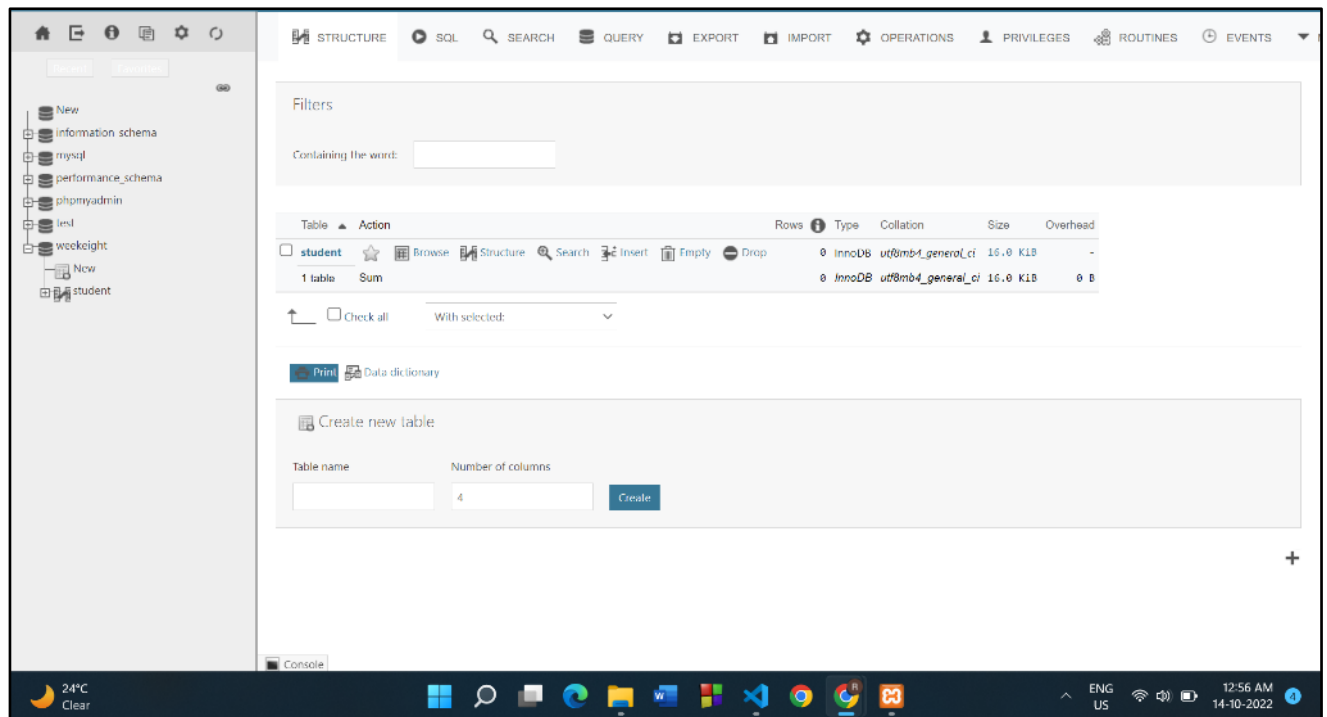
```
<?php
// Create connection
$conn = mysqli_connect("localhost:3308","root","","weekweight");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
}
else
    echo "Hello World!<br>";

// Create table
$sql1="create table student(Enrollment_no int , Name varchar(50), Age int, Course varchar(30)
)";
if (mysqli_query($conn,$sql1))
{
    echo "Table created successfully";
}
else
{
    echo "Error creating table: " . mysqli_error();
}
```



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?>



(INSERT)

```
<?php
// Create connection
$conn = mysqli_connect("localhost:3308","root","","weeknight");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
}
else
    echo "Hello World!<br>";

// Insert data

$sql2="insert into Student values (1,'adesh',19,'dsw'), (2,'raghav',18,'ds'),
(3,'krish',22,'es'), (4,'gandhi',20,'eco'), (5,'rohit',18,'cr') ";
if (mysqli_query($conn,$sql2))
{
    echo "Data created successfully";
}
else
```



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```
{
echo "Error creating data: " . mysqli_error();
}
?>
```

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

`SELECT * FROM `student``

☐ Profiling | [Edit inline](#) | [Edit](#) | [Explain SQL](#) | [Create PHP code](#) | [Refresh](#)

☐ Show all | Number of rows: 25 | Filter rows:

extra options

Enrollment_no	Name	Age	Course
1	adesh	19	ds
2	raghav	18	ds
3	krish	22	es
4	gandhi	20	eco
5	rohit	18	cr

☐ Show all | Number of rows: 25 | Filter rows:

Query results operations

Console

(UPDATE)

```
<?php
// Create connection
$conn = mysqli_connect("localhost:3308","root","","weekeight");
// Check connection
if (mysqli_connect_errno())
{
echo "Failed to connect to MySQL: " . mysqli_connect_error();
exit();}
else
echo "Hello World!<br>";

$sql3 = "update student set age = 19 where age = 18";
if (mysqli_query($conn,$sql3))
{
```



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```

echo "Data updated successfully";
}
else
{
echo "Error updating data: " . mysqli_error();
}
?>

```

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.)

`SELECT * FROM `student``

☐ Profiling | [Edit inline](#) | [Edit](#) | [Explain SQL](#) | [Create PHP code](#) | [Refresh](#)

Show all | Number of rows: 25 | Filter rows:

Extra options

Enrollment_no	Name	Age	Course
1	adesh	19	tsw
2	raghav	19	ds
3	krish	22	es
4	gandhi	20	eco
5	rohit	19	cr

Show all | Number of rows: 25 | Filter rows:

Query results operations

Console

(DELETE)

```

<?php
// Create connection
$conn = mysqli_connect("localhost:3308","root","","weekeight");
// Check connection
if (mysqli_connect_errno())
{
echo "Failed to connect to MySQL: " . mysqli_connect_error();
exit();}
else
echo "Hello World!<br>";

//Delete Data

```

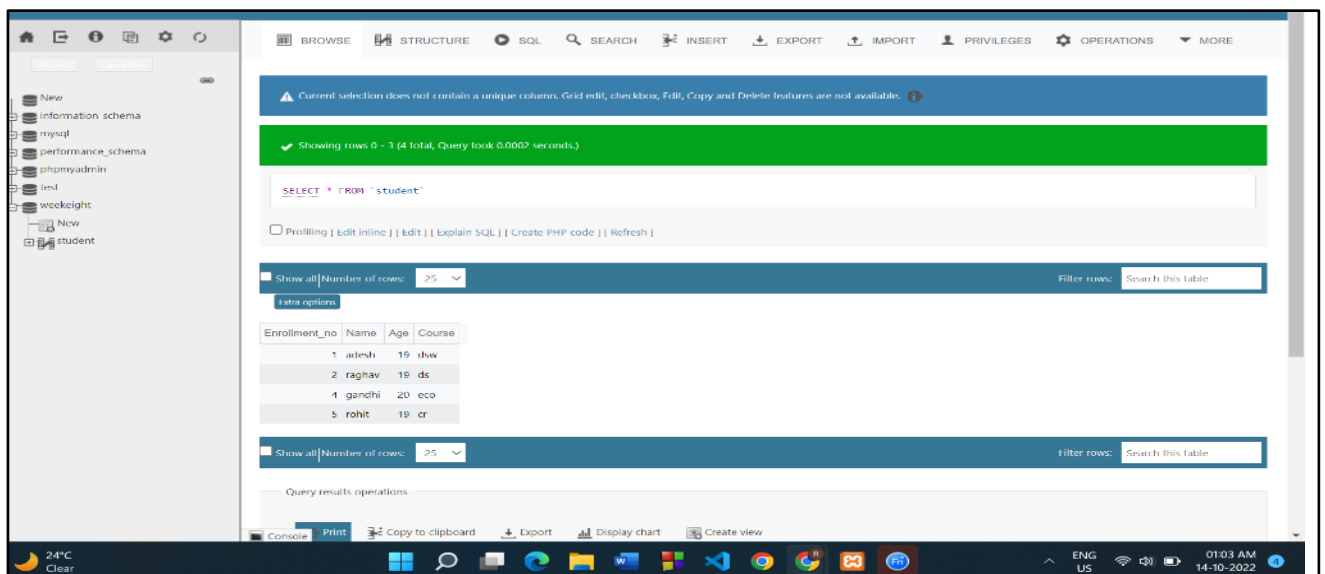
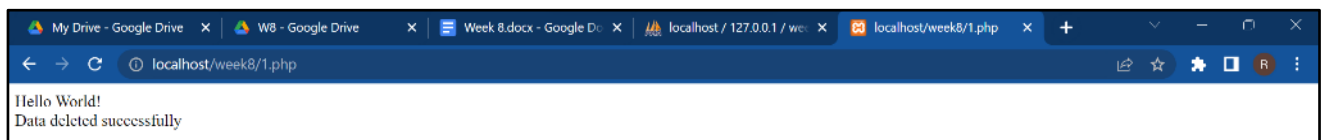


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```

$sql4 = "delete from student where age = 22";
if (mysqli_query($conn,$sql4))
{
    echo "Data deleted successfully";
}
else
{
    echo "Error deleting data: " . mysqli_error();
}
?>

```



(DISPLAY)

```

$conn = mysqli_connect("localhost:3308","root","","week8");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
}
else
    echo "Hello World!<br>";

```



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```

//Display Data
$sql5 = "select * from student";
$result = mysqli_query($conn, $sql5);

if (mysqli_num_rows($result) > 0) {
    // OUTPUT DATA OF EACH ROW
    while($row = mysqli_fetch_assoc($result)) {
        echo "-----";
        echo "<br>."Enrollment No. : " . $row["Enrollment_no"]. "<br> ."Name: " .
$row["Name"]. "<br> ."Age : " . $row["Age"]. "<br> ."Course : " . $row["Course"] . "<br>";
        echo "-----"."<br>";
    }
} else {
    echo "0 results";
}
if (mysqli_query($conn,$sql5))
{
    echo "Data displayed successfully";
}
else
{
    echo "Error displaying data: " . mysqli_error();
}
?>

```



Hello World!

Enrollment No. : 1
 Name: adesh
 Age : 19
 Course : dsw

Enrollment No. : 2
 Name: raghav
 Age : 19
 Course : ds

Enrollment No. : 4
 Name: gandhi
 Age : 20
 Course : eco

Enrollment No. : 5
 Name: rohit
 Age : 19
 Course : cr

Data displayed successfully

2. Create a form to Add a new cupcake data into database with the mention validation constraints.

Cupcakes World Add a new cupcake

Name

this value (name) is required

Image

Field is missing

Price

this value (price) is required

Description

this value (description) is required

- this value (name) is required
- The minimum lenght is 3
- Field is missing
- this value (price) is required
- The price must be great than 0
- this value (description) is required

```
<!DOCTYPE html>
```

```
<body>
```

```
<form method="post">
```

```
  Name : <input type="text" name="name" minlength="3" required><br>
```



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```

    Image : <input type="file" name="img" required><br>
    Price : <input type="number" name="num" required><br>
    Description : <input type="text" name="desc" required><br>
    <input type="submit" name="submit">
  </form>
</body>

<?php

$name = $_POST["name"];
$price = $_POST["num"];
$desc = $_POST["desc"];

#file name with a random number so that similar dont get replaced
$name = rand(1000, 10000) . "-" . $_FILES["img"]["name"];

#temporary file name to store file
$tmp_name = $_FILES["img"]["tmp_name"];

#upload directory path
$uploads_dir = 'images';

#TO move the uploaded file to specific location
move_uploaded_file($tmp_name, $uploads_dir . '/' . $name);

$conn = mysqli_connect("localhost:3308", "root", "", "week8");
// Check connection
if (mysqli_connect_errno()) {
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
} else {
    echo "CONNECTION SUCCESS!<br>";

    if (isset($_POST['submit'])) {
        $sql = "insert into student values('$name','$name','$price','$desc')";
        if (mysqli_query($conn, $sql)) {
            echo "Data inserted successfully<br>";
        } else {
            echo "Error inserting data : " . mysqli_error();
        }
    }
}

```



```

}
} else
    echo "Fail";

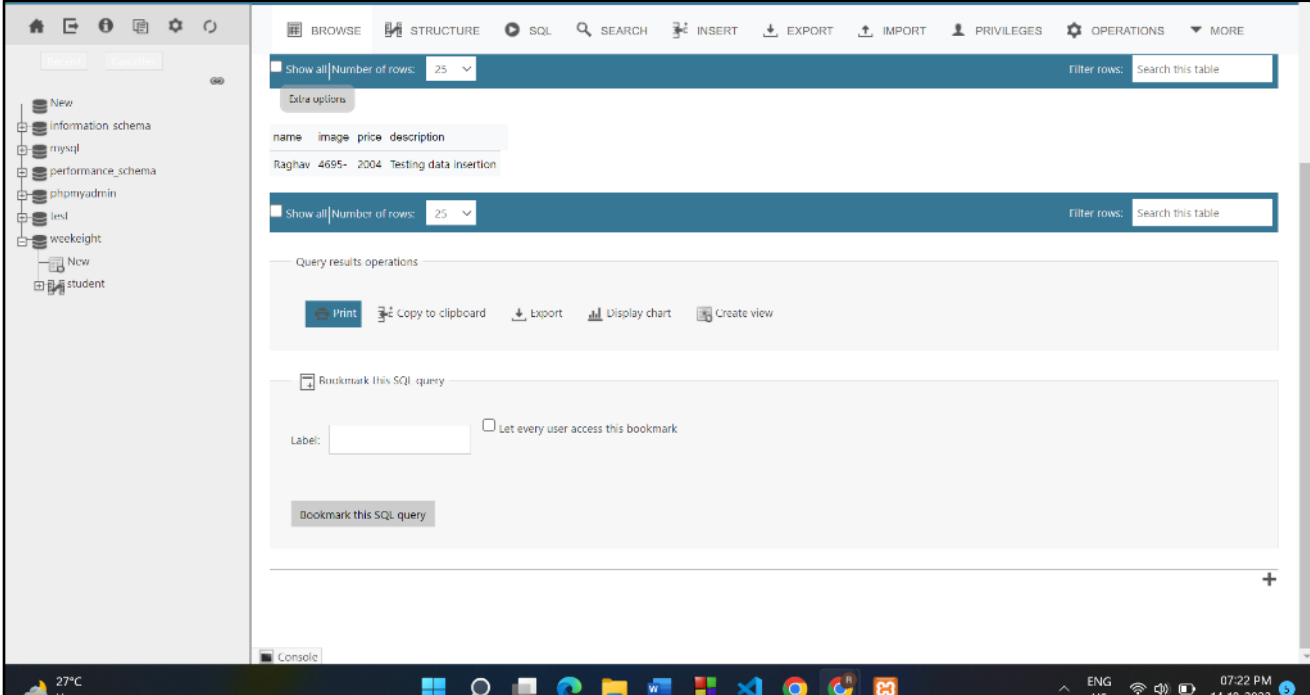
?>

</html>

```

Name :
Image : RAGHAV.jpg
Price :
Description :

Warning: Undefined array key "img" in C:\xampp\htdocs\week8\2.php on line 20
Warning: Trying to access array offset on value of type null in C:\xampp\htdocs\week8\2.php on line 20
Warning: Undefined array key "img" in C:\xampp\htdocs\week8\2.php on line 23
Warning: Trying to access array offset on value of type null in C:\xampp\htdocs\week8\2.php on line 23
CONNECTION SUCCESS!
Data inserted successfully



3. Design a database called employee, which contains information like empID, Name, department, branch, Salary, Gender. Design a web page which contains two textboxes in which user can input salary range. When user selects submit button, system should display:
 - a. Details of all employees whose salary belongs to input range (ex 1000-10,000).
 - b. List the highest salary profile of each category (male and female).

- c. Display all profiles in descending order according to emp name (whose name length is >4).
- d. Display the list of employees for each department in order of their salary.

The screenshot shows a web-based database management interface. On the left is a sidebar with a tree view of database schemas: 'information schema', 'mysql', 'performance_schema', 'phpmyadmin', 'test', 'weekight', and 'employee'. The main area displays a table of employees. Above the table, a green status bar indicates 'Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)'. Below this, a SQL query editor shows 'select * from employee;'. A 'Show all' button is next to a 'Number of rows' dropdown set to '25'. A 'Filter rows' search box is also present. The table has columns: empID, Name, department, branch, Salary, and Gender. It contains 5 rows of data.

empID	Name	department	branch	Salary	Gender
1	snehal	cse	noida	5000	female
2	adesh	cse	delhi	6000	male
3	sonam	ece	noida	7000	female
4	krish	ece	pune	8000	male
5	raghav	ece	noida	9000	male

```
<!DOCTYPE html>

<body>
  <form method="post">
    Enter range : <br>
    X : <input type="number" name="x"> <br>
    Y : <input type="number" name="y"> <br>
    <input type="submit" name="submit">
  </form>
  <?php

  $x = $_POST["x"];
  $y = $_POST["y"];

  $conn = mysqli_connect("localhost:3308", "root", "", "weekight");
  if (mysqli_connect_errno()) {
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
  } else
    echo "<br>CONNECTION SUCCESS!<br>";
```

```

echo "<br><b>Details of all employees whose salary belongs to input range</b>" . "<br>";

$sql1 = "select * from employee where salary >= $x and salary <= $y";

$result1 = mysqli_query($conn, $sql1);

if (mysqli_num_rows($result1) > 0) {
    echo "-----<br>";
    echo "<b>| Employee ID | Name | Department | Branch | Salary | Gender |</b><br>";
    echo "-----<br>";
    while ($row1 = mysqli_fetch_assoc($result1)) {

        echo "<br>| " . $row1["empID"] . " | " .
            $row1["Name"] . " | " .
            $row1["department"] . " | " .
            $row1["branch"] . " | " .
            $row1["Salary"] . " | " .
            $row1["Gender"] . " |<br>";
        echo "-----" . "<br>";
    }
} else {
    echo "0 results";
}

if (mysqli_query($conn, $sql1)) {
    echo "<br>Data displayed successfully" . "<br>";
} else {
    echo "Error displaying data: " . mysqli_error();
}

echo "<br><b>List the highest salary profile of each category (male and female)</b>" .
"<br>";

$sql2 = "select Gender, max(Salary) from employee group by Gender";
$result2 = mysqli_query($conn, $sql2);

if (mysqli_num_rows($result2) > 0) {
    // OUTPUT DATA OF EACH ROW
    while ($row2 = mysqli_fetch_assoc($result2)) {
        echo "-----";
        echo "<br>Gender : " . $row2["Gender"] . " || Salary : " . $row2["max(Salary)"] .

```



```

"<br>";
    }
} else {
    echo "0 results";
}
if (mysqli_query($conn, $sql2)) {
    echo "<br>Data displayed successfully<br>";
} else {
    echo "Error displaying data: " . mysqli_error();
}

echo "<br><b>Display all profiles in descending order according to emp name</b><br>";
$sql3 = "select * from employee order by Name desc";

$result3 = mysqli_query($conn, $sql3);

if (mysqli_num_rows($result3) > 0) {
    // OUTPUT DATA OF EACH ROW
    echo "-----<br>";
    echo "<b>| Employee ID | Name | Department | Branch | Salary | Gender |</b><br>";
    echo "-----<br>";
    while ($row3 = mysqli_fetch_assoc($result3)) {

        echo "<br>| " . $row3["empID"] . " | " .
            $row3["Name"] . " | " .
            $row3["department"] . " | " .
            $row3["branch"] . " | " .
            $row3["Salary"] . " | " .
            $row3["Gender"] . " |<br>";
        echo "-----" . "<br>";
    }
} else {
    echo "0 results";
}
if (mysqli_query($conn, $sql3)) {
    echo "Data displayed successfully" . "<br>";
} else {
    echo "Error displaying data: " . mysqli_error();
}

```



```
echo "<br><b>Display the list of employees for each department in order of their salary</b><br>";
```

```
$sql4 = "select * from employee order by salary";
```

```
$result4 = mysqli_query($conn, $sql4);
```

```
if (mysqli_num_rows($result4) > 0) {
```

```
    // OUTPUT DATA OF EACH ROW
```

```
    echo "-----<br>";
```

```
    echo "<b>| Employee ID | Name | Department | Branch | Salary | Gender |</b><br>";
```

```
    echo "-----<br>";
```

```
    while ($row4 = mysqli_fetch_assoc($result4)) {
```

```
        echo "<br>| " . $row4["empID"] . " | " .
```

```
            $row4["Name"] . " | " .
```

```
            $row4["department"] . " | " .
```

```
            $row4["branch"] . " | " .
```

```
            $row4["Salary"] . " | " .
```

```
            $row4["Gender"] . " |<br>";
```

```
        echo "-----" . "<br>";
```

```
    }
```

```
} else {
```

```
    echo "0 results";
```

```
}
```

```
if (mysqli_query($conn, $sql4)) {
```

```
    echo "Data displayed successfully" . "<br>";
```

```
} else {
```

```
    echo "Error displaying data: " . mysqli_error();
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```



Enter range :
X :
Y :

CONNECTION SUCCESS!

Details of all employees whose salary belongs to input range

| Employee ID | Name | Department | Branch | Salary | Gender |

| 1 | snehal | cse | noida | 5000 | female |

| 2 | adesh | cse | delhi | 6000 | male |

| 3 | sonam | ece | noida | 7000 | female |

| 4 | krish | ece | pune | 8000 | male |

Data displayed successfully

List the highest salary profile of each category (male and female)

Gender : female || Salary : 7000

Gender : male || Salary : 9000

Data displayed successfully

Display all profiles in descending order according to emp name

Data displayed successfully

Display all profiles in descending order according to emp name

| Employee ID | Name | Department | Branch | Salary | Gender |

| 3 | sonam | ece | noida | 7000 | female |

| 1 | snehal | cse | noida | 5000 | female |

| 5 | raghav | ece | noida | 9000 | male |

| 4 | krish | ece | pune | 8000 | male |

| 2 | adesh | cse | delhi | 6000 | male |

Data displayed successfully

Display the list of employees for each department in order of their salary

| Employee ID | Name | Department | Branch | Salary | Gender |

| 1 | snehal | cse | noida | 5000 | female |

| 2 | adesh | cse | delhi | 6000 | male |

| 3 | sonam | ece | noida | 7000 | female |



| 3 | sonam | ece | noida | 7000 | female |

| 1 | snehal | cse | noida | 5000 | female |

| 5 | raghav | ece | noida | 9000 | male |

| 4 | krish | ece | pune | 8000 | male |

| 2 | adesh | cse | delhi | 6000 | male |

Data displayed successfully

Display the list of employees for each department in order of their salary

| Employee ID | Name | Department | Branch | Salary | Gender |

| 1 | snehal | cse | noida | 5000 | female |

| 2 | adesh | cse | delhi | 6000 | male |

| 3 | sonam | ece | noida | 7000 | female |

| 4 | krish | ece | pune | 8000 | male |

| 5 | raghav | ece | noida | 9000 | male |

Data displayed successfully

4. There are two tables for Blood-donation camp site. Table 1 – list of donors, their addresses, their blood types and the names of the various blood-donation camps with which they are associated. Table 2 contains – the blood-donation camp's name, and the cities in which they have branches.

Create GUI, and using database connectivity, for a solving the following case: The user can select as many cities as he/she wants, using checkboxes. When user presses the “find” button on home.php, the system should display the list of donors, their blood types and the blood- donation camps which are existent in that particular city. Also, for a blood-type, find all the users in all the cities.



The top screenshot shows a database management interface with a sidebar on the left containing a tree view of databases and tables. The main panel displays the results of a SQL query: `SELECT * FROM 'table1'`. The results are shown in a table with 4 rows and 4 columns: donor, address, blood_type, and camp_name. The data is as follows:

donor	address	blood_type	camp_name
1	abc	O+	NN
2	pqr	AB+	DD
3	xyz	B+	GG
4	mno	O-	No

The bottom screenshot shows the same interface with a different SQL query: `SELECT * FROM 'table2'`. The results are shown in a table with 4 rows and 2 columns: camp_name and city. The data is as follows:

camp_name	city
NN	Noida
DD	Delhi
GG	Gurugram
No	Noida

```
<!DOCTYPE html>

<body>
  <form method="post">
    Select cities : <br>
    <input type="checkbox" name="city[]" value="Noida">Noida<br>
    <input type="checkbox" name="city[]" value="Delhi">Delhi<br>
    <input type="checkbox" name="city[]" value="Gurugram">Gurugram<br>
    <input type="submit" name="submit">
  </form>

  <?php

  $val = $_POST['city'];
  if (isset($_POST['city'])) {
```



```

        echo "<br>You chose the following city(s): <br>";

        foreach ($val as $city) {
            echo $city . "<br />";
        }
    } else {
        echo "You did not choose a city.";
        exit();
    }

    // Create connection
    $conn = mysqli_connect("localhost:3308", "root", "", "weekeight");
    // Check connection
    if (mysqli_connect_errno()) {
        echo "Failed to connect to MySQL: " . mysqli_connect_error();
        exit();
    } else
        echo "<br>Connection successfull!<br>";

    $val = $_POST['city'];

    foreach ($val as $city) {

        $sql = "select * from table1 natural join table2 where city = '$city' and
table1.camp_name = table2.camp_name";

        echo "<br>For " . $city . "<br>";

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

        if (mysqli_num_rows($result) > 0) {
            echo "-----<br>";
            echo "<b>| Donor | Blood Type | Camp |</b><br>";
            echo "-----<br>";
            while ($row1 = mysqli_fetch_assoc($result)) {

                echo "<br>| " . $row1["donor"] . " | " .
                    $row1["blood_type"] . " | " .
                    $row1["camp_name"] . " | " . "<br>";
            }
        }
    }
}

```



```
        echo "-----" . "<br>";
    }
} else {
    echo "0 results";
}
if (mysqli_query($conn, $sql)) {
    echo "<br>Data displayed successfully" . "<br>";
} else {
    echo "Error displaying data: " . mysqli_error();
}
}
?>
</body>

</html>
```



Select cities :

☒ Noida

☐ Delhi

☐ Gurugram

You chose the following city(s):

Noida

Connection successfull!

For Noida

Donor	Blood Type	Camp
1	O+	NN
4	O-	No

Data displayed successfully

Select cities :

☒ Noida

☒ Delhi

☒ Gurugram

You chose the following city(s):

Noida
Delhi
Gurugram

Connection successfull!

For Noida

Donor	Blood Type	Camp
1	O-	NN
4	O-	No

Data displayed successfully

For Delhi

Donor	Blood Type	Camp
2	AB-	DD

Data displayed successfully

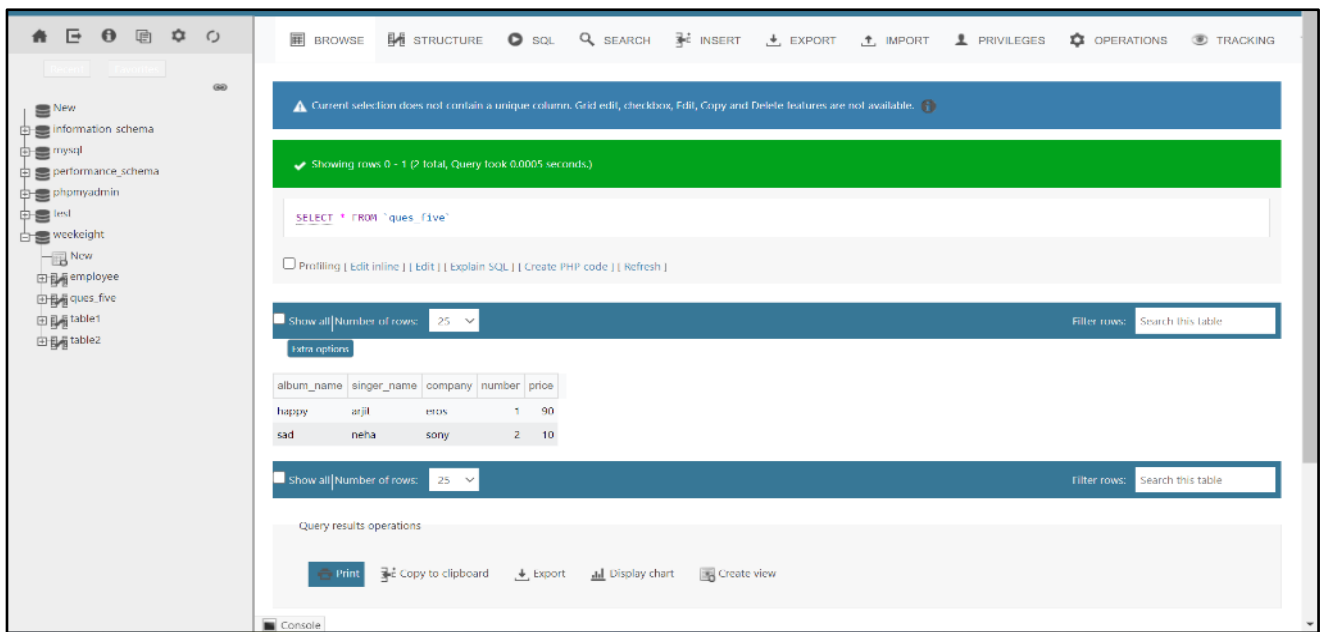
For Gurugram

Donor	Blood Type	Camp
3	B+	GG

Data displayed successfully

- Write PHP script to design a web application which allows the registered user to see the list of music albums with the following details –album name, name of singer, music company, no of albums available and price of album. It also allows the user to sort the results by singer or price of album. Deign appropriate GUI Assume users are already registered.





```
<!DOCTYPE html>
```

```
<body>
```

```
<form method="post">
```

```
    Choose sorting method : <br>
```

```
    Name <input type="radio" name="sort" value="singer_name">
```

```
    Price <input type="radio" name="sort" value="price"> <br>
```

```
    <input type="submit" name="submit">
```

```
</form>
```

```
<?php
```

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

```
echo "<br>You chose " . $sort . "<br>";
```

```
$conn = mysqli_connect("localhost:3308", "root", "", "weekeight");
```

```
if (mysqli_connect_errno()) {
```

```
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
```

```
    exit();
```

```
} else
```

```
    echo "<br>CONNECTION SUCCESS!<br>";
```

```
$sql = "select * from ques_five order by $sort";
```

```
$result = mysqli_query($conn, $sql);
```

```
if (mysqli_num_rows($result) > 0) {
```

```
    echo "-----<br>";
```



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```

echo "<b>| Album name | Singer Name | Company | Number | Price |</b><br>";
echo "-----<br>";
while ($row1 = mysqli_fetch_assoc($result)) {

    echo "<br>| " . $row1["album_name"] . " | " .
        $row1["singer_name"] . " | " .
        $row1["company"] . " | " .
        $row1["number"] . " | " .
        $row1["price"] . " | " . "<br>";
    echo "-----" . "<br>";
}
} else {
    echo "0 results";
}
if (mysqli_query($conn, $sql)) {
    echo "<br>Data displayed successfully" . "<br>";
} else {
    echo "Error displaying data: " . mysqli_error();
}
?>
</body>

</html>

```



Choose sorting method :

Name ☐ Price ☐

You chose singer_name

CONNECTION SUCCESS!

| Album name | Singer Name | Company | Number | Price |

| happy | arjit | eros | 1 | 90 |

| sad | neha | sony | 2 | 10 |

Data displayed successfully

Choose sorting method :

Name ☐ Price ☐

You chose price

CONNECTION SUCCESS!

| Album name | Singer Name | Company | Number | Price |

| sad | neha | sony | 2 | 10 |

| happy | arjit | eros | 1 | 90 |

Data displayed successfully

