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Course code and name- CSE3002 Internet and Web Programming

LAB-ACTIVITY: 05

Ques. Design the Web page that contains a form with one Textarea field and three buttons namely “Create Table/Insert Records”, “Between 2000-2015 Worst Male Actor” and “All-time Best Movie”. Create the following tables to perform the related operations on PHP server using MySQL(Procedural) database and PHP Data Object(PDO).

actors(id, first_name, last_name, gender)

movies(id, name, year, rating)

roles(actor_id, movie_id, role)

1. Table creations and record insertion should be done with help of Textarea field. Insert at least 5 rows in each tables.

2. Write a query that lists the male actors who appeared in a movie during 2000-2015, that was rated lower than 2.5.

3. Write a query that lists all actors who was in a movie rated higher than 8.0 five or more times. List the name of the actor, movie and rating.

Steps:

1) Write the php code for SQL and execute it in localhost server.

Code for PHP: (lab5.php)

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "boxoffice";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>IWP lab-5</title>
</head>
<body>
    <div class="content">
        <form method="post" enctype="multipart/form-data">
            <textarea name="text1" class="area"></textarea><br>
            <input type="submit" class="btn" name="submit1" value="Create
Table/Insert Records">
            <input type="submit" class="btn" name="submit2"
value="Between 2000-2015 Worst Male Actor">
            <input type="submit" class="btn" name="submit3" value="All-time
Best Movie"><br>
        </form>
    </div>
</body>
</html>
```

```

<?php
if(isset($_POST['submit1'])){
    $sql1=$_POST['text1'];
    if(mysqli_query($conn, $sql1)) {
        echo "<div style='color:green; font-size:25px;'>Created/inserted
recod successfully</div>";
    }else {
        echo "<div style='color:red; font-size:25px;'>Created/inserting
record: " . mysqli_error($conn)."</div>";
    }

}
if(isset($_POST['submit2'])){
    $sql1=$_POST['text1'];
    if($rel=mysqli_query($conn, $sql1)) {
        echo "<table>
        <tr class='header'>
            <th>Worst Male Actor</th>
            <th>Year</th>
        </tr>";
        while ($result = mysqli_fetch_assoc($rel)){
            echo"
            <tr class='inner'>
                <td>".$result['first_name']." ".$result['last_name']."</td>
                <td>".$result['year']."</td>
            </tr>";

        }
        echo"</table>";

    }else {

```

```

        echo "<div style='color:red; font-size:25px;'>Fetching record error:
" . mysqli_error($conn)."</div>";
    }
}
if(isset($_POST['submit3'])){
    $sql1=$_POST['text1'];
    if($rel=mysqli_query($conn, $sql1)) {
        echo "<table>
            <tr class='header'>
                <th>Actor Name</th>
                <th>Movie Name</th>
                <th>Rating</th>
            </tr>";
        while ($result = mysqli_fetch_assoc($rel)){
            if(mysqli_affected_rows($conn)>=5){
                echo"
                <tr class='inner'>
                    <td>".$result['first_name']." ".$result['last_name']."</td>
                    <td>".$result['name']."</td>
                    <td>".$result['rating']."</td>
                </tr>";
            }
        }
        echo"</table>";
    }else {
        echo "<div style='color:red; font-size:25px;'>Fetching record error:
" . mysqli_error($conn)."</div>";
    }
}
?>

</div>
</body>

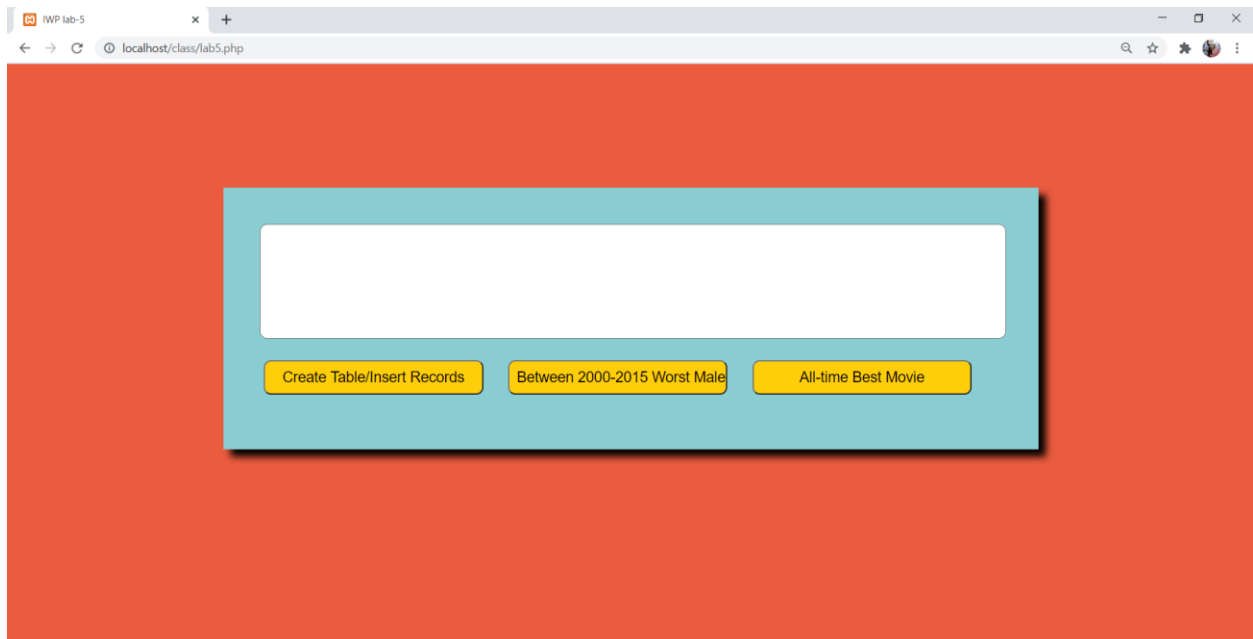
```

```
</html>
```

```
<style>
```

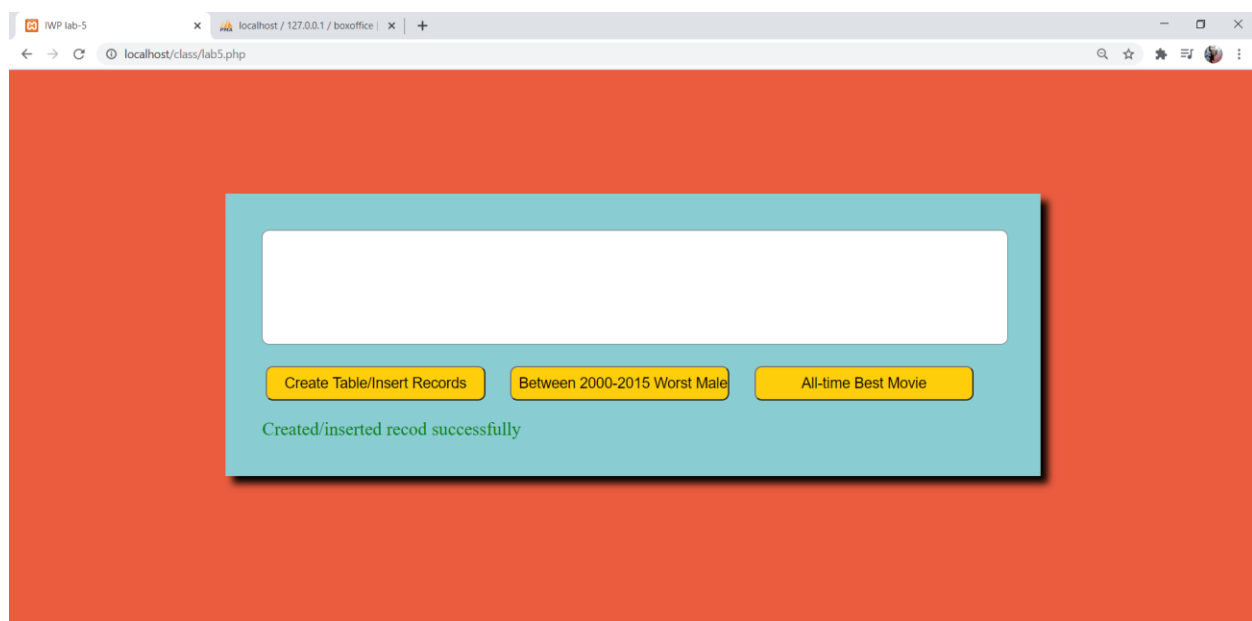
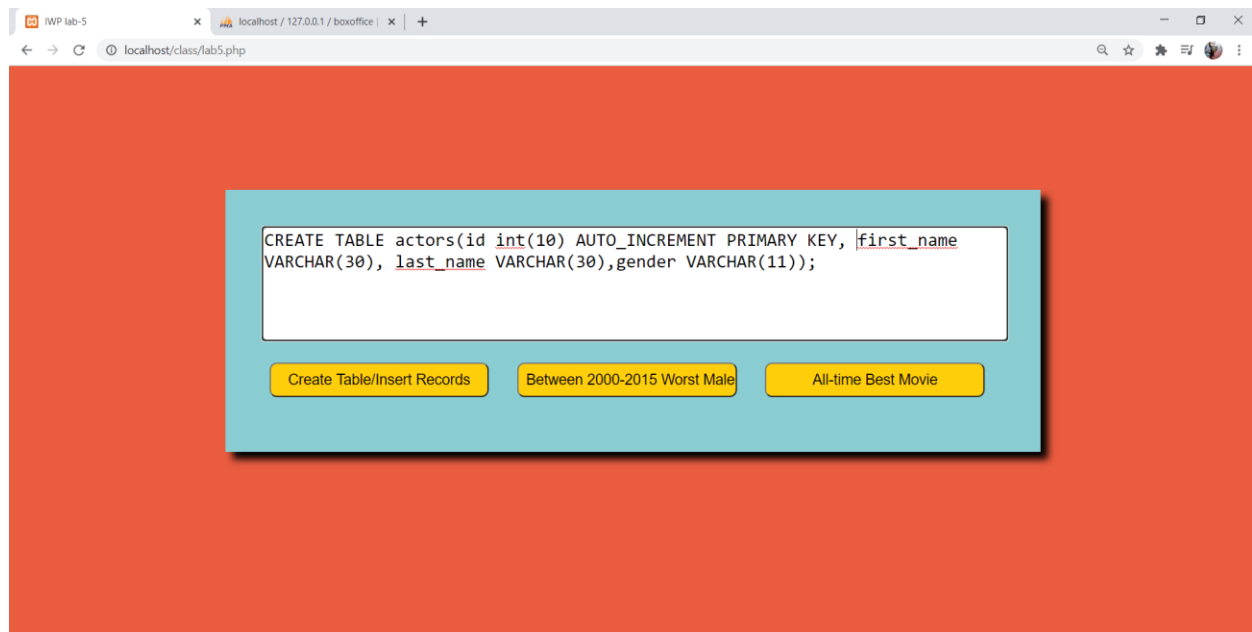
```
  body{
    background: #eb5c3f;
  }
  .content{
    width: 60%;
    margin: 10% auto;
    background: #89CDD3;
    padding: 50px;
    box-shadow: 10px 10px 10px #000;
  }
  .area{
    width:100%;
    height:150px;
    resize: none;
    border-radius: 10px;
    font-size: 25px;
  }
  .btn{
    width:300px;
    background: #ffce0b;
    border-radius: 10px;
    padding: 10px;
    margin: 25px;
    margin-left: 5px;
    font-weight: 500;
    font-size: 20px;
  }
  table{
    font-size: 25px;
    width: 60%;
```

```
margin: 20px auto;
text-align: center;
}
.header{
background: rgb(0,49,104);
color: white;
}
.inner{
background: rgb(237,228,224);
}
</style>
```



2) Now pass the query to create a table named actors.

```
CREATE TABLE actors(id int(10) AUTO_INCREMENT PRIMARY  
KEY,first_name VARCHAR(30),last_name VARCHAR(30),gender  
VARCHAR(11));
```

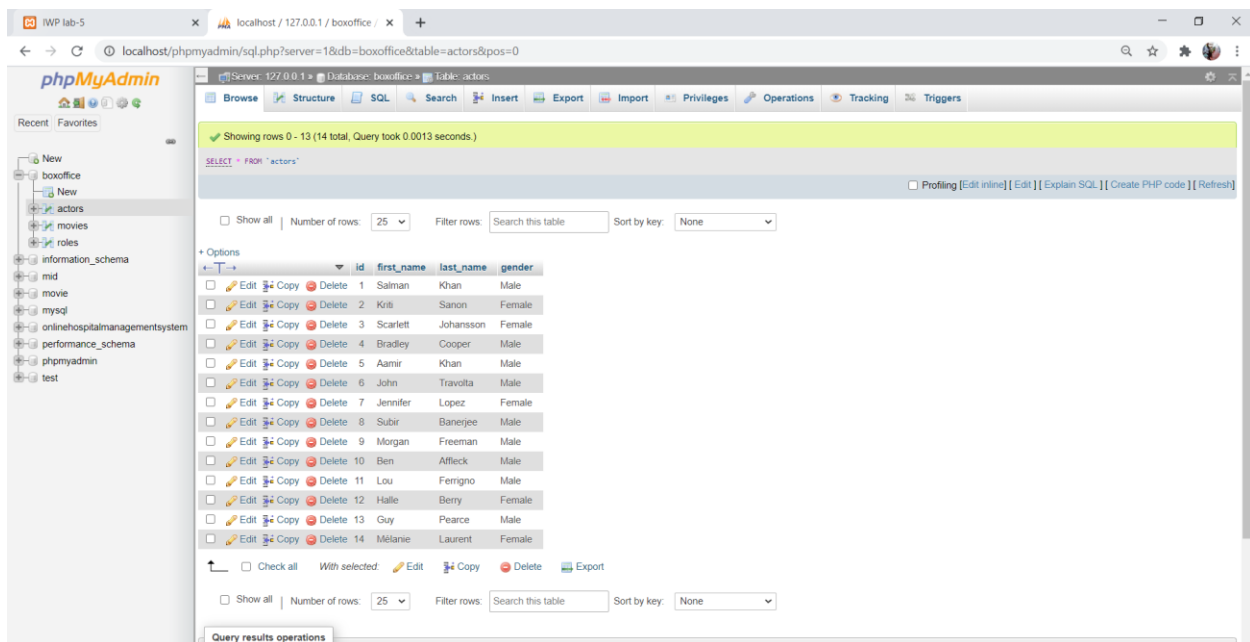


3) Query to insert rows in actors table.

INSERT INTO actors values('','Salman','Khan','Male');

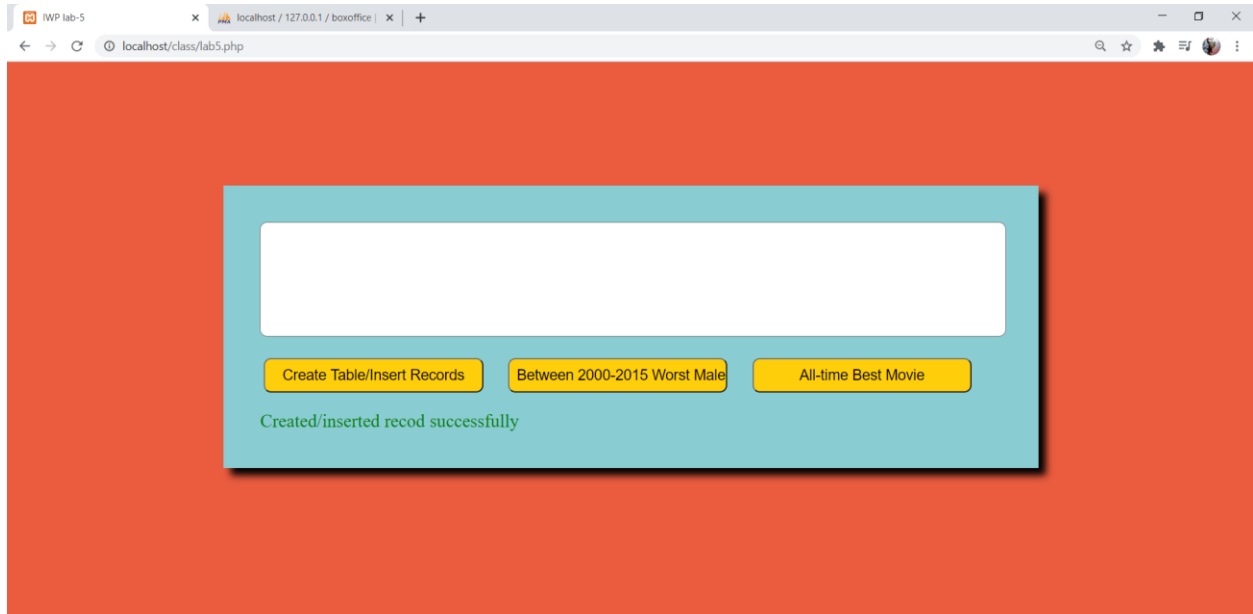
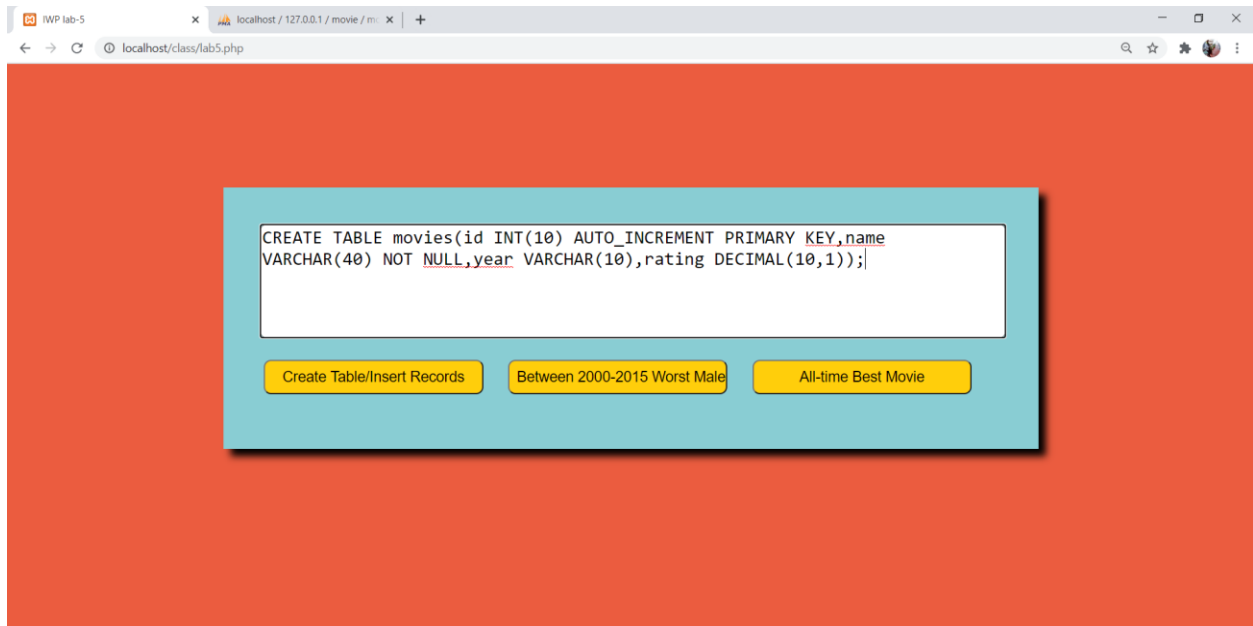


4) Similarly, we can add next 13 rows.



4) Now pass the query to create a table named movies.


```
CREATE TABLE movies(id INT(10) AUTO_INCREMENT PRIMARY KEY,name VARCHAR(40) NOT NULL,year VARCHAR(10),rating DECIMAL(10,1));
```

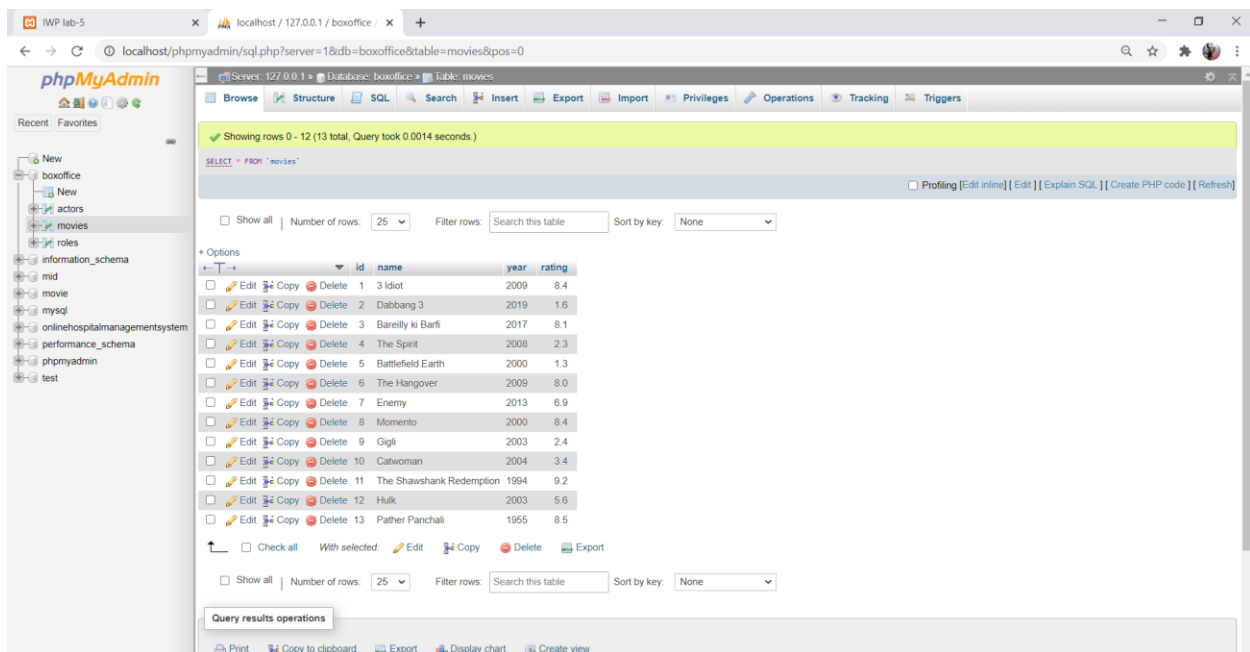


5) Query to insert rows in movies table.

INSERT INTO movies values('', '3 Idiot', '2009', 4.2);

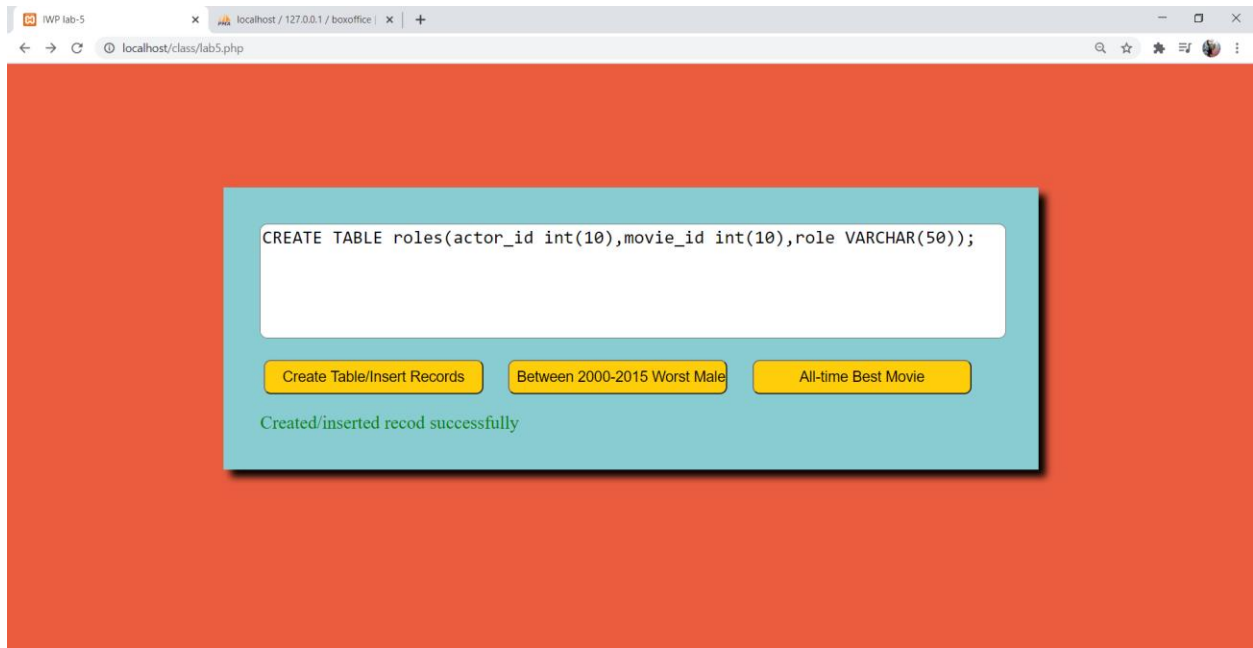


6) Similarly, we can add remaining records.

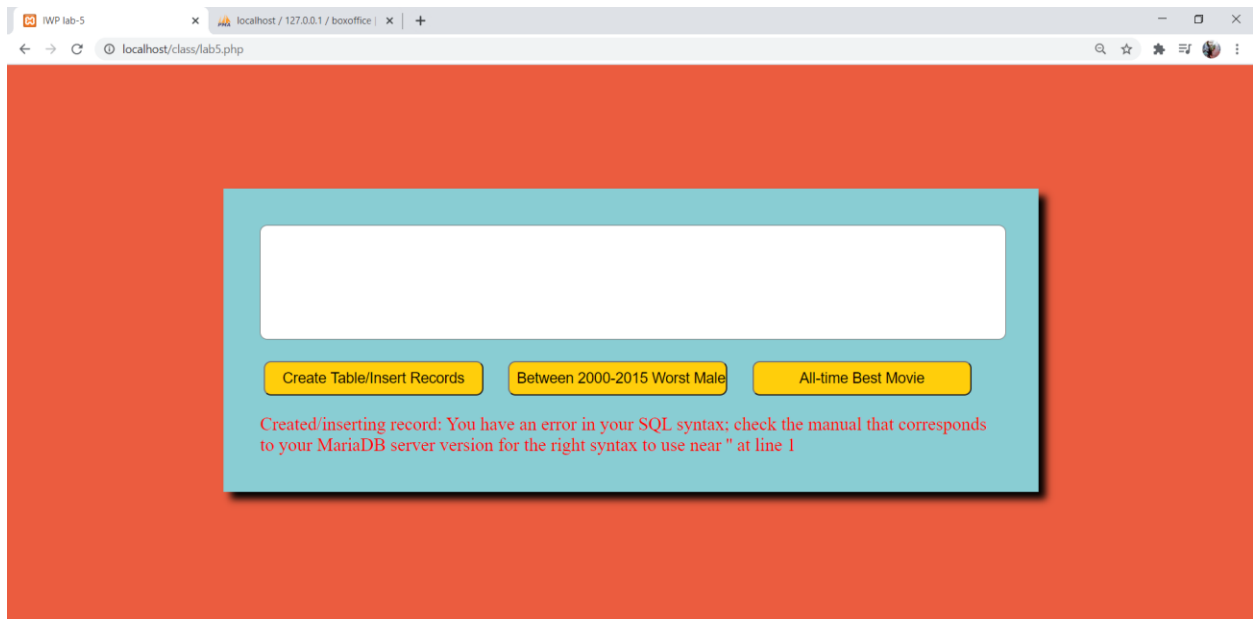


7) Now pass the query to create a table named roles.

CREATE TABLE roles(actor_id int(10),movie_id int(10),role VARCHAR(50));

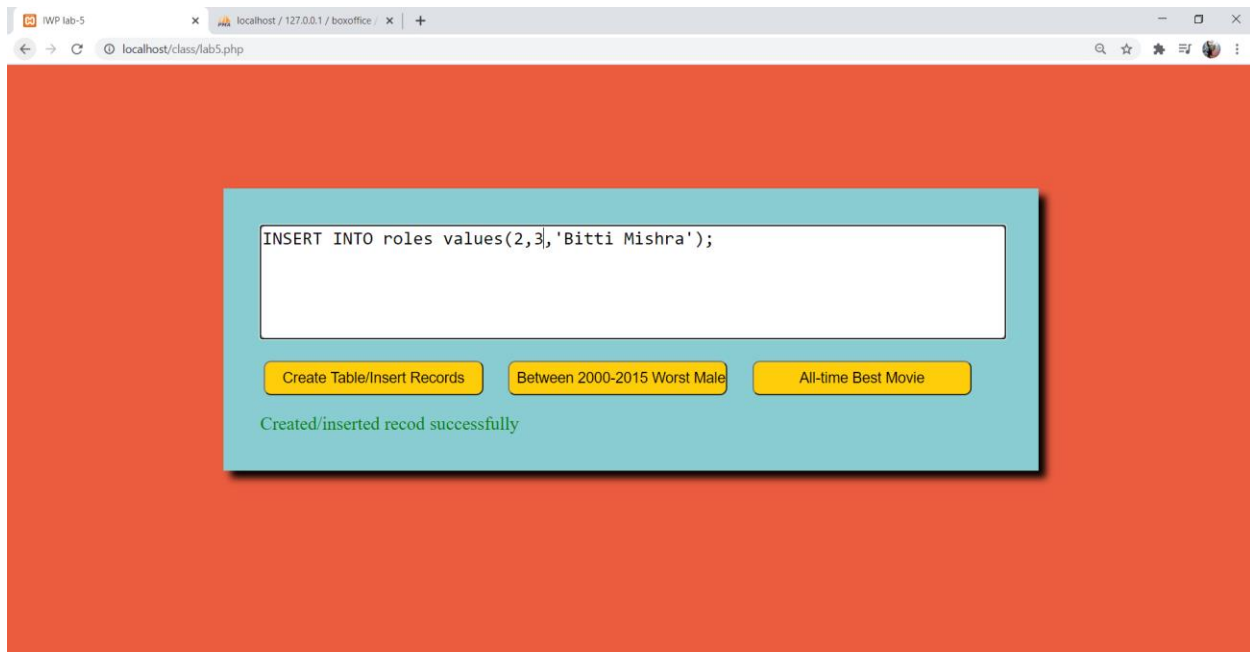


9) If the user enters a wrong query or pass the query to recreate the table than an error message will be displayed.

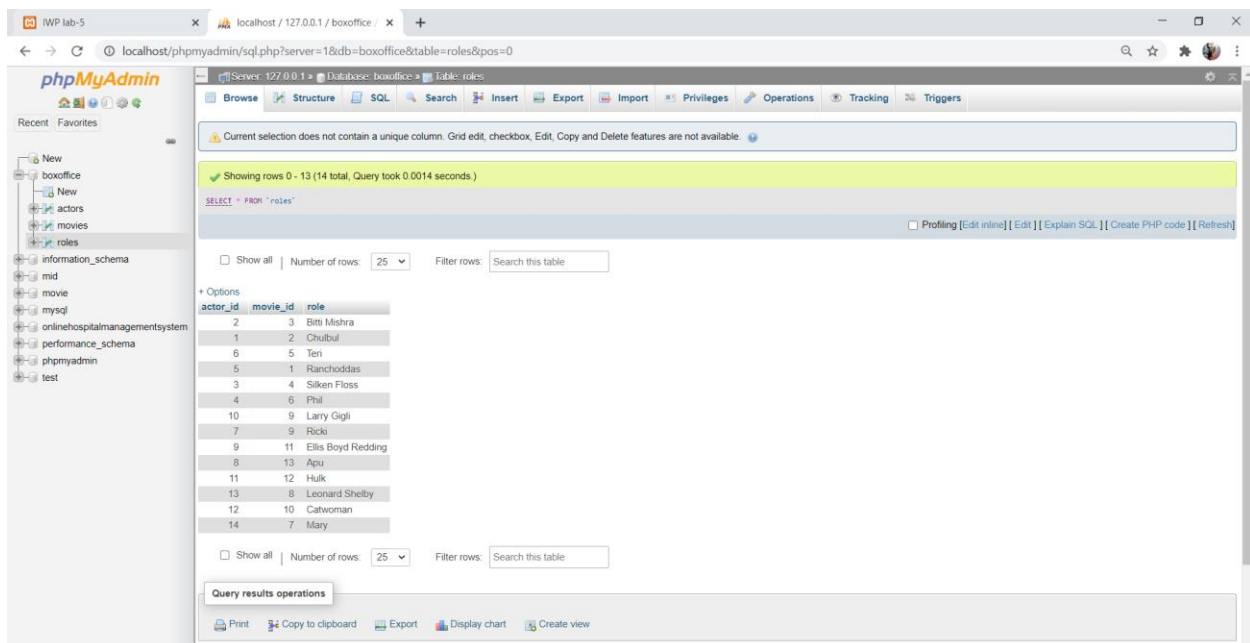


10) Query to insert record in roles table.

INSERT INTO roles values(2,3,'Bitti Mishra');

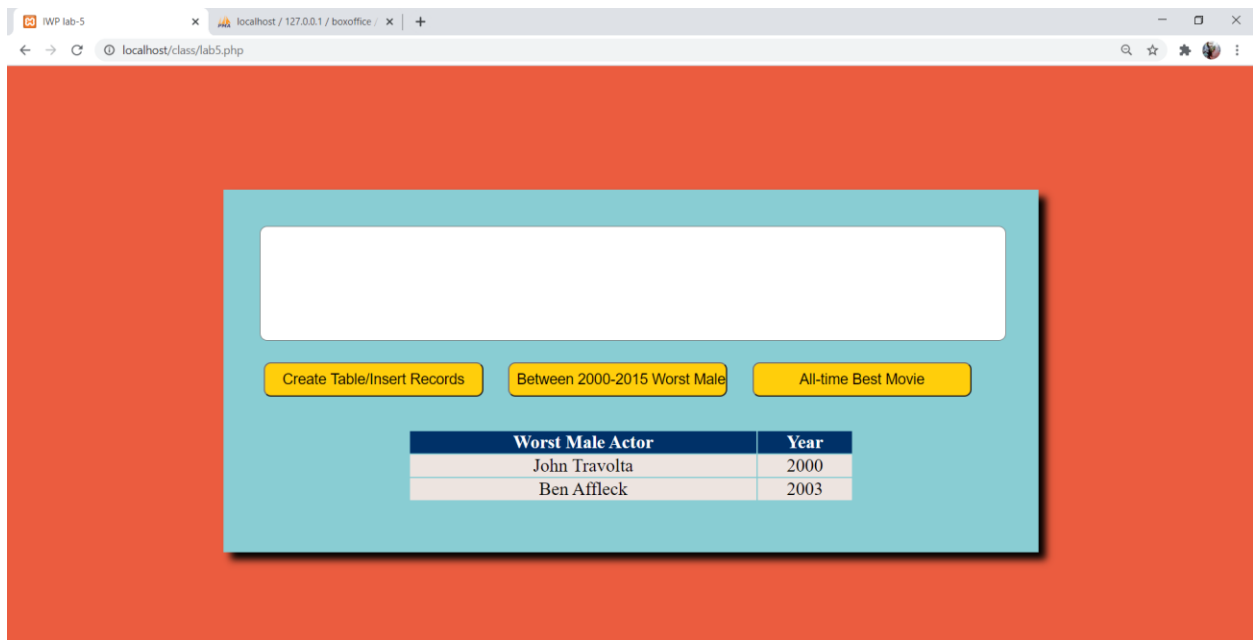


11) Similarly, we can insert next rows in the roles table



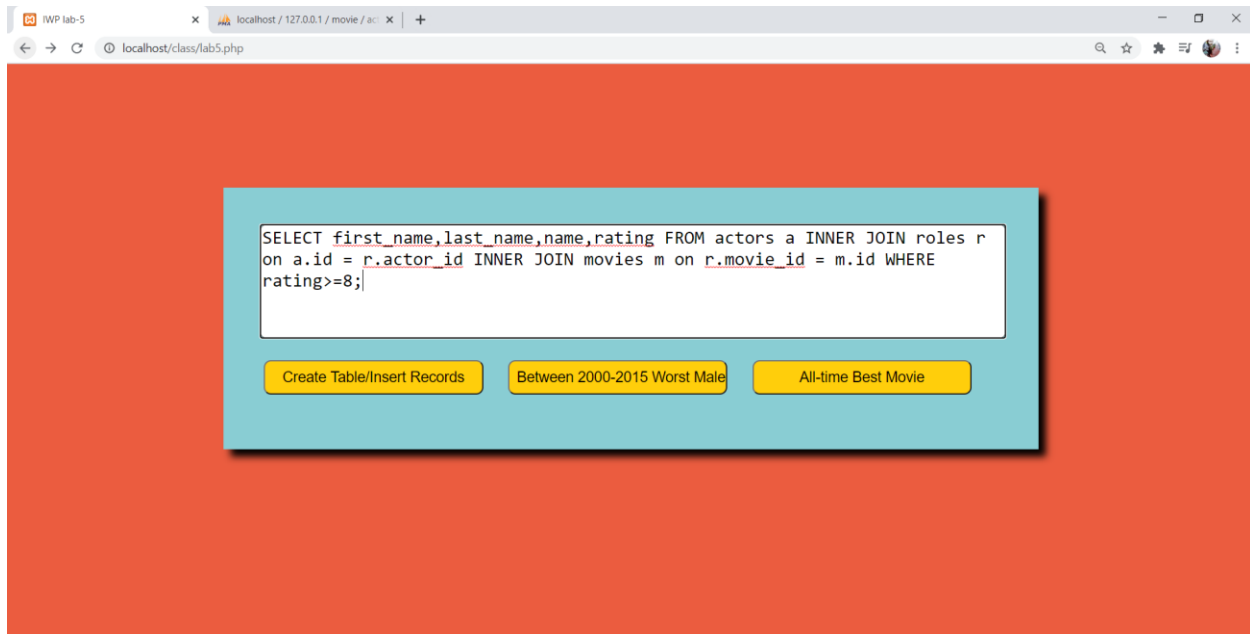
12) After all these steps of creating and inserting records now we can run a query that lists the male actors who appeared in a movie during 2000-2015, that was rated lower than 2.5.

SELECT first_name,last_name,year FROM actors a INNER JOIN roles r on a.id = r.actor_id INNER JOIN movies m on r.movie_id = m.id WHERE year between 2000 and 2015 and rating<2.5 and gender='Male';



14) Now we can run a query that shows all-time best movie.

SELECT first_name,last_name,name,rating FROM actors a INNER JOIN roles r on a.id = r.actor_id INNER JOIN movies m on r.movie_id = m.id WHERE rating>=8;



15) These were the steps which we carried for normal php file with SQL code but it will change if we run the same program using PDO.

16) Now we will write the php code for PDO and execute it in localhost server.

Code for PDO: (lab5_pdo.php)

```
<?php
$dsn="mysql:host=localhost; dbname=movie;";
$username="root";
$password="";

try{
    $conn =new PDO($dsn,$username,$password);
    $conn-
>setAttribute(PDO::ATTR_ERRMODE,PDO::ERRMODE_EXCEPTION);
}
catch(PDOException $e){
    echo "Connection Failed".$e->getMessage();
}

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>IWP lab-5 Using PDO</title>
</head>
<body>
    <div class="content">
        <form method="post" enctype="multipart/form-data">
            <textarea name="text1" class="area"></textarea><br>
            <input type="submit" class="btn" name="submit1" value="Create
Table/Insert Records">
```

```

        <input type="submit" class="btn" name="submit2"
value="Between 2000-2015 Worst Male Actor">
        <input type="submit" class="btn" name="submit3" value="All-time
Best Movie"><br>
    </form>
    <?php
        if (isset($_POST['submit1'])) {
            $sql=$_POST['text1'];
            try{
                $conn->query($sql);
                echo "<div style='color:green; font-
size:25px;'>Created/inserted record successfully</div>";
            }
            catch(PDOException $e){
                echo "<div style='color:red; font-size:25px;'>Error while
Creating/inserting record: ".$e->getMessage()."</div>";
            }
        }
        if(isset($_POST['submit2'])){
            $sql1=$_POST['text1'];
            try{
                $rel=$conn->query($sql1);
                echo "<table>
                    <tr class='header'>
                        <th>Worst Male Actor</th>
                        <th>Year</th>
                    </tr>";
                while ($result = $rel->fetch(PDO::FETCH_ASSOC)){
                    echo"
                    <tr class='inner'>
                        <td>".$result['first_name']." ".$result['last_name'].</td>
                        <td>".$result['year'].</td>
                    </tr>";
                }
            }
        }
    }

```



```

    }
    echo"</table>";
}
catch(PDOException $e) {
    echo "<div style='color:red; font-size:25px;'>Fetching record
error: " . $e->getMessage(). "</div>";
}
}
if(isset($_POST['submit3'])){
    $sql1=$_POST['text1'];
    try{
        $rel=$conn->query($sql1);
        echo "<table>
            <tr class='header'>
                <th>Actor Name</th>
                <th>Movie Name</th>
                <th>Rating</th>
            </tr>";
        while ($result = $rel->fetch(PDO::FETCH_ASSOC)){
            if($rel->rowCount()>=5){
                echo"
                <tr class='inner'>
                    <td>".$result['first_name']. " ".$result['last_name']. "</td>
                    <td>".$result['name']. "</td>
                    <td>".$result['rating']. "</td>
                </tr>";
            }
        }
        echo"</table>";
    }
    catch(PDOException $e){

```

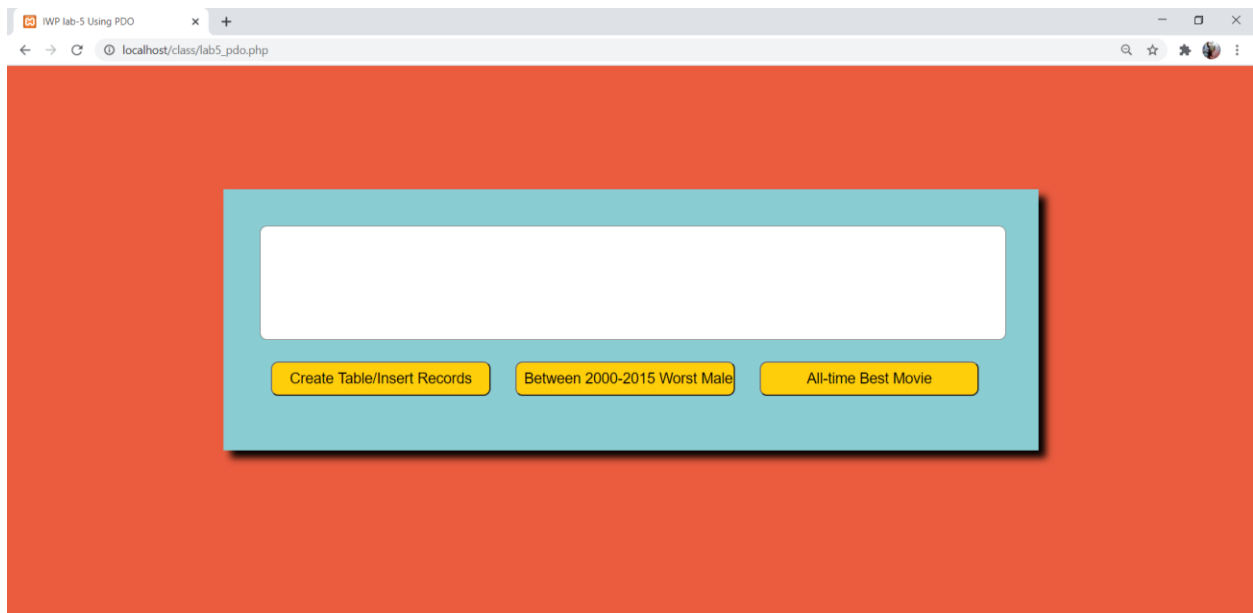
```
        echo "<div style='color:red; font-size:25px;'>Fetching record  
error: " . $e->getMessage()."</div>";  
    }  
}  
?>  
</div>  
</body>  
</html>
```

```
<style>  
    body{  
        background: #eb5c3f;  
    }  
    .content{  
        width: 60%;  
        margin: 10% auto;  
        background: #89CDD3;  
        padding: 50px;  
        box-shadow: 10px 10px 10px #000;  
    }  
    .area{  
        width:100%;  
        height:150px;  
        resize: none;  
        border-radius: 10px;  
        font-size: 25px;  
    }  
    .btn{  
        width:300px;  
        background: #ffce0b;  
        border-radius: 10px;  
        padding: 10px;  
        margin: 25px 15px;
```

```

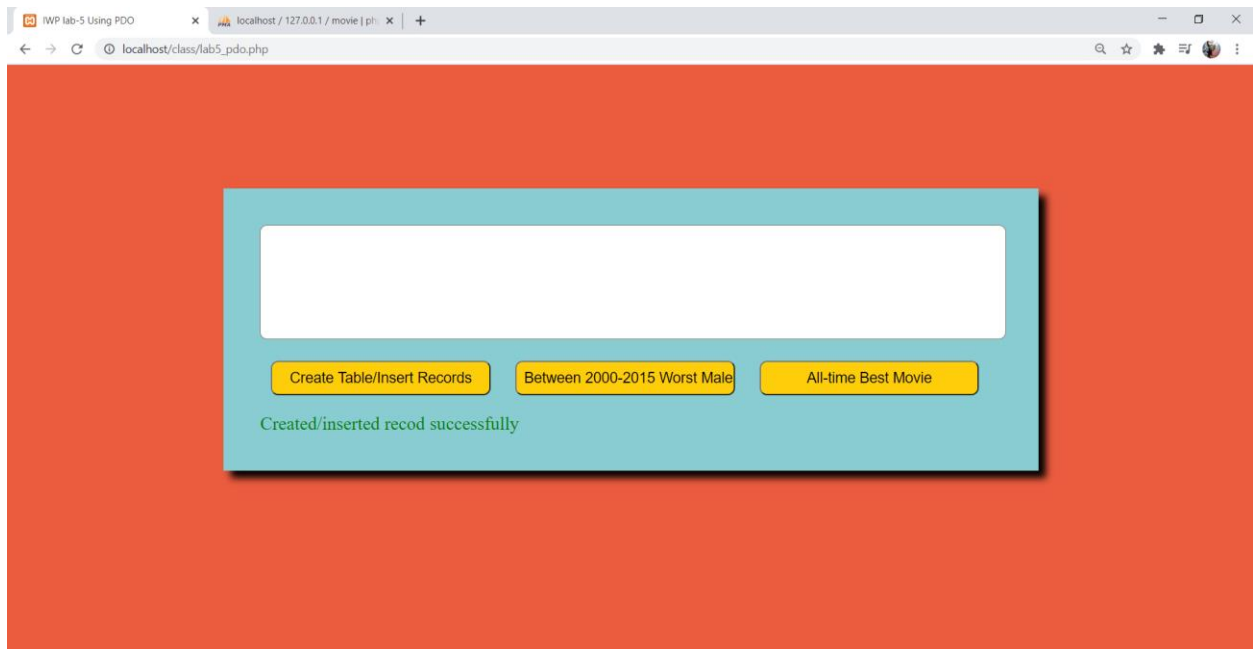
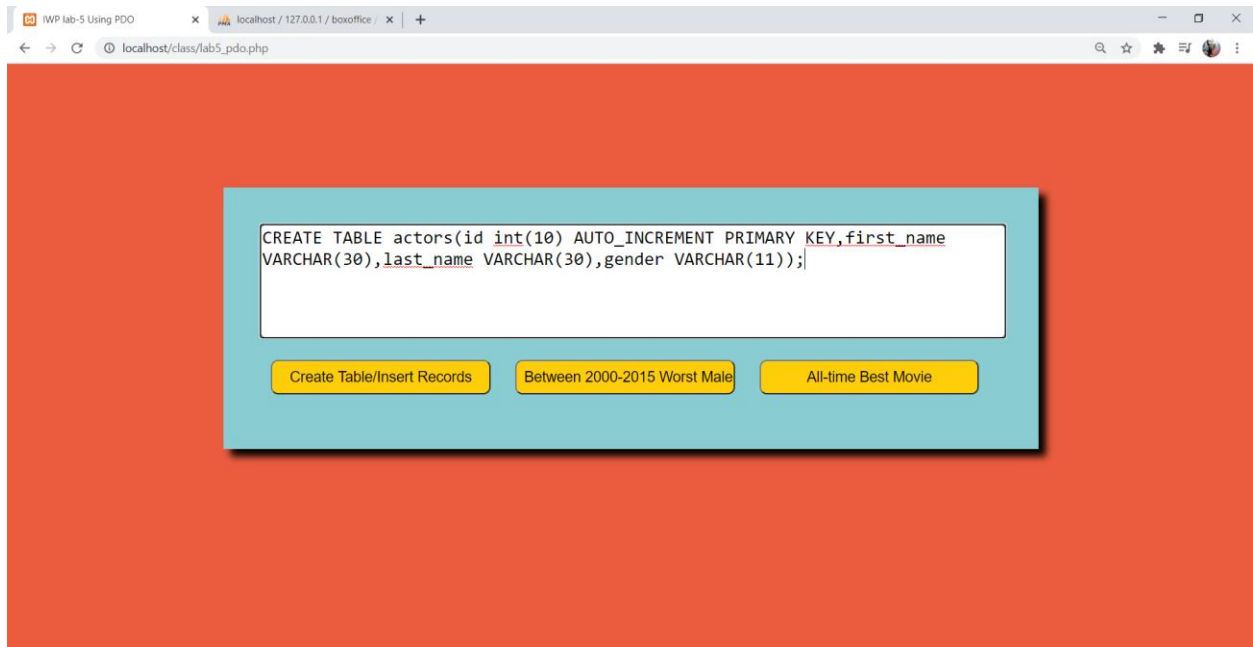
    font-weight: 500;
    font-size: 20px;
}
table{
    font-size: 25px;
    width: 60%;
    margin: 20px auto;
    text-align: center;
}
.header{
    background: rgb(0,49,104);
    color: white;
}
.inner{
    background: rgb(237,228,224);
}
</style>

```



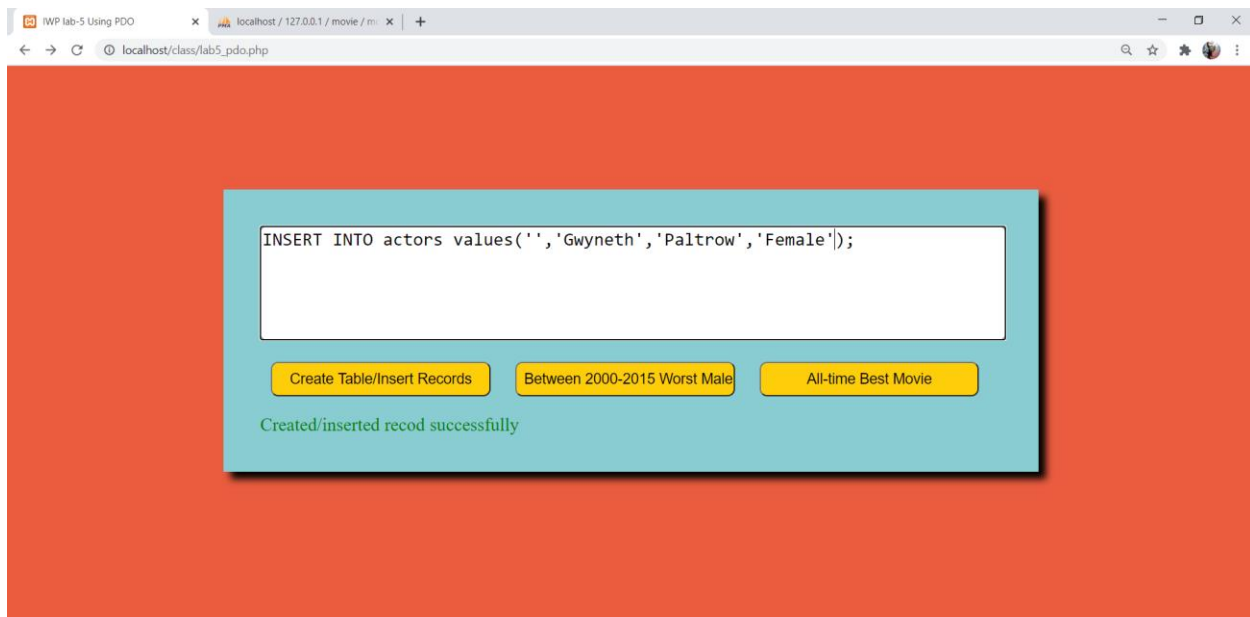
17) Now pass the query to create a table named actors.

```
CREATE TABLE actors(id int(10) AUTO_INCREMENT PRIMARY KEY,first_name VARCHAR(30),last_name VARCHAR(30),gender VARCHAR(11));
```

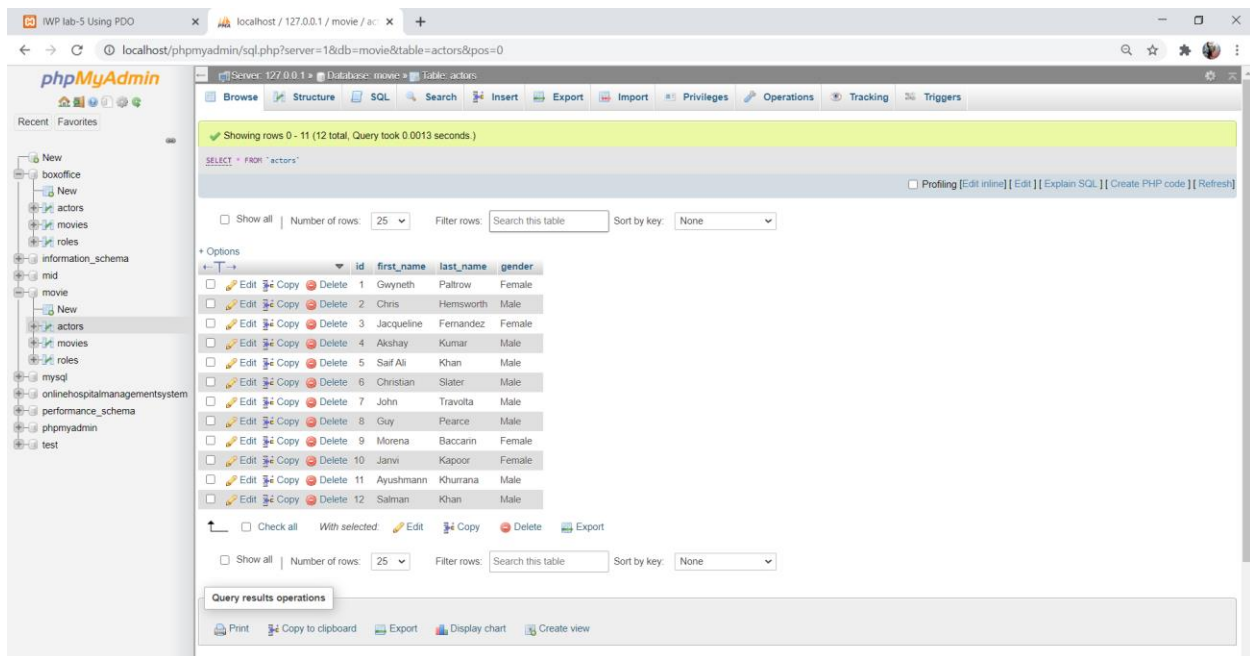


18) Query to insert rows in actors table.

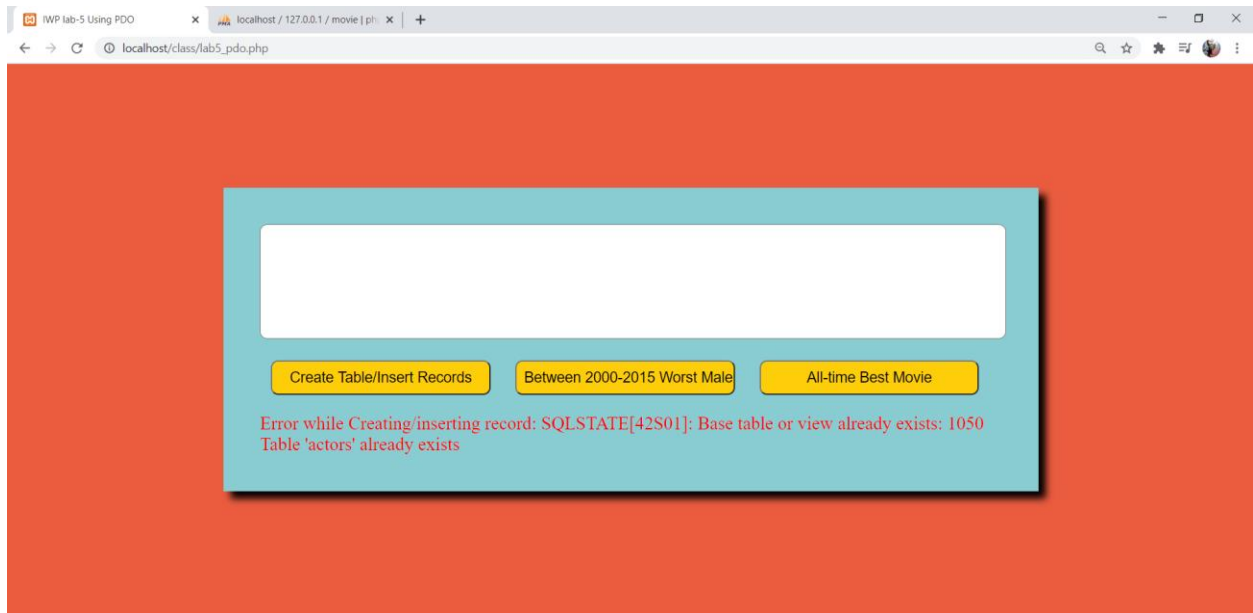
```
INSERT INTO actors values('','Gwyneth','Paltrow','Female');
```



19) Similarly, we can add next 11 rows.

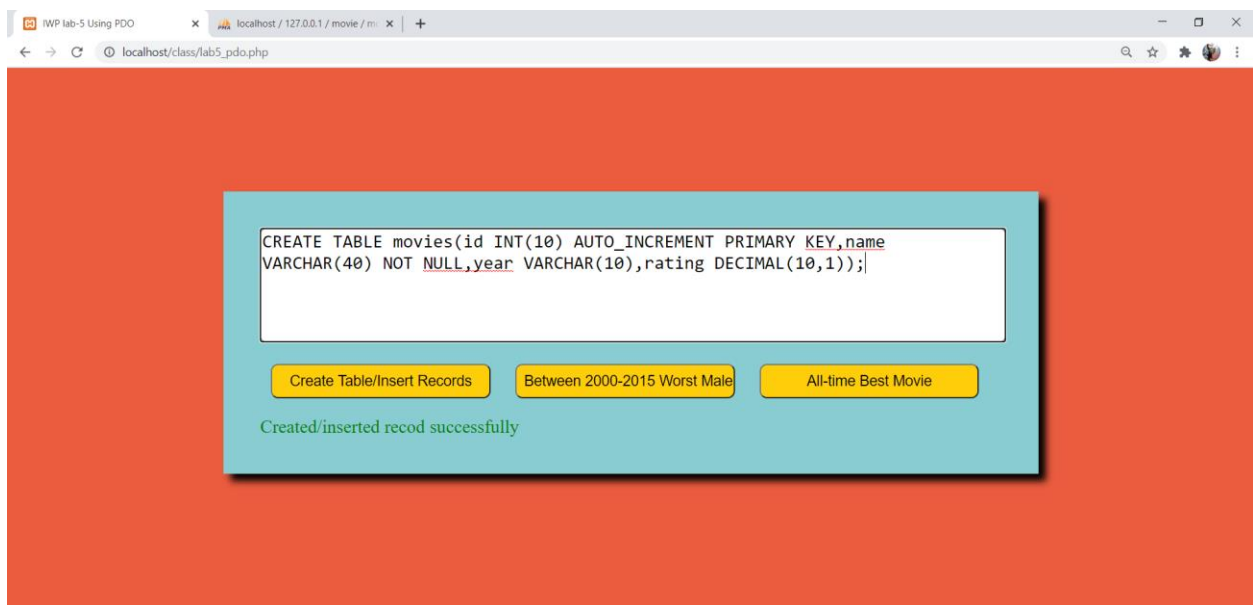


20) If we try to pass a query to re add a table or pass a wrong query the we will receive an error.



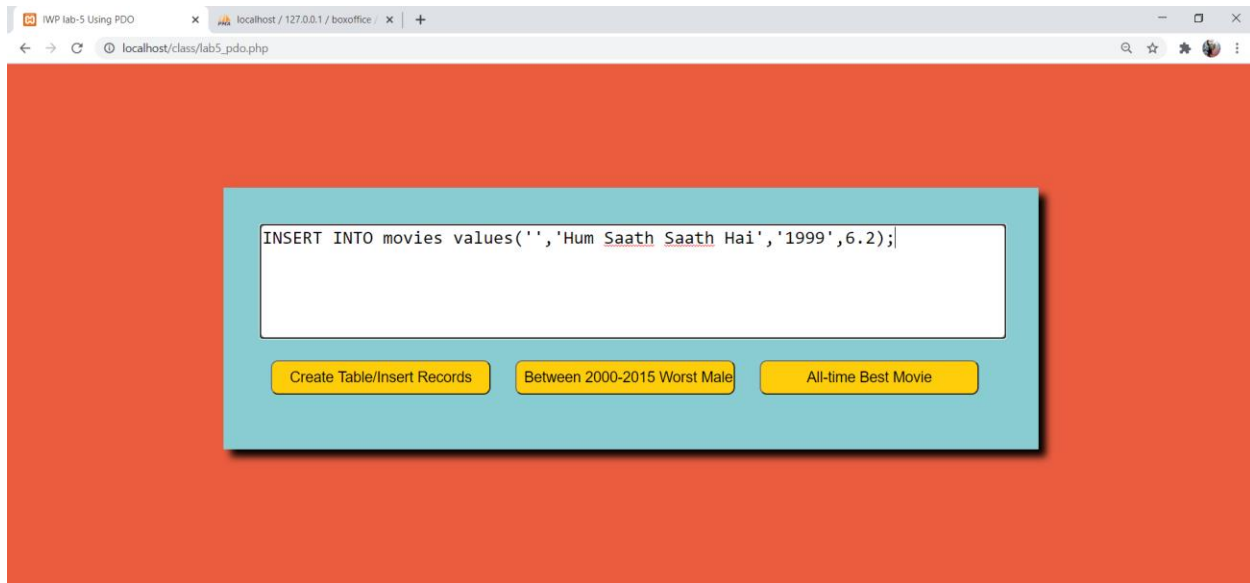
21) Now pass the query to create a table named movies.

CREATE TABLE movies(id INT(10) AUTO_INCREMENT PRIMARY KEY,name VARCHAR(40) NOT NULL,year VARCHAR(10),rating DECIMAL(10,1));

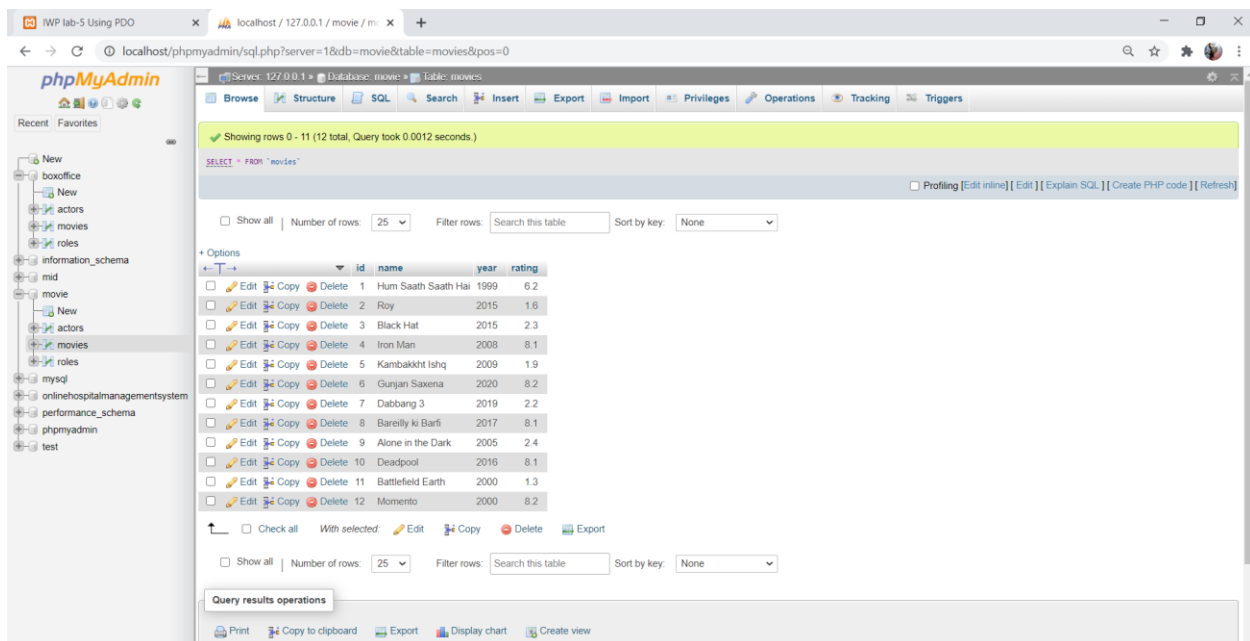


22) Query to insert rows in movies table.

INSERT INTO movies values('','Hum Saath Saath Hai','1999',6.2);

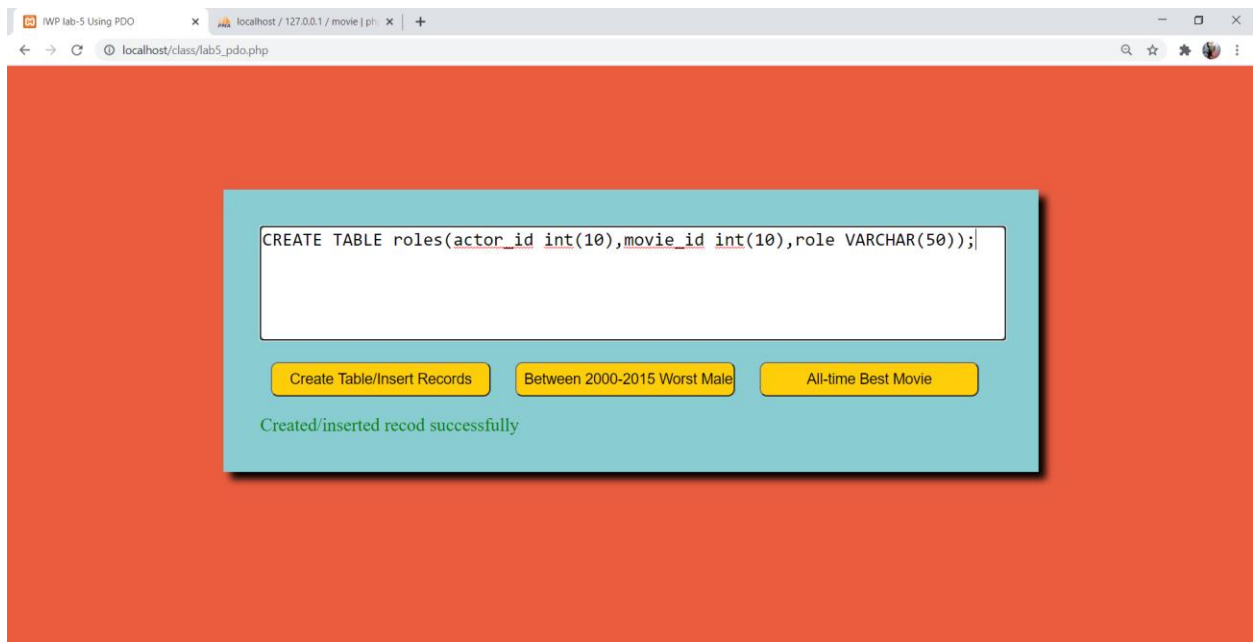


23) Similarly, we can add remaining records.



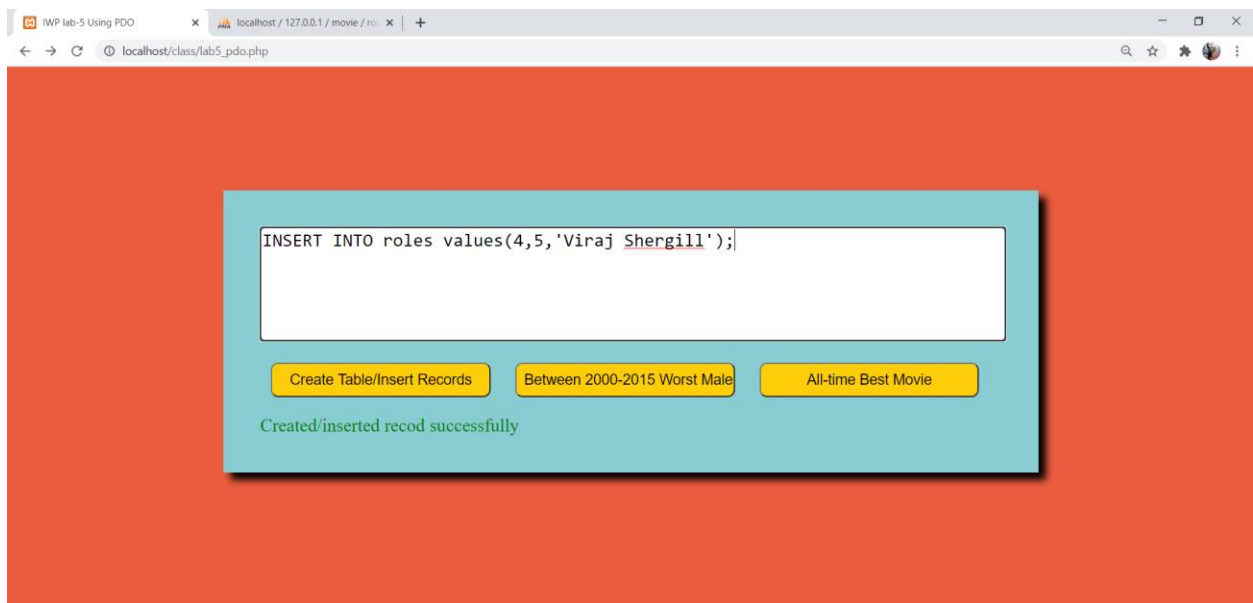
24) Now pass the query to create a table named roles.

CREATE TABLE roles(actor_id int(10),movie_id int(10),role VARCHAR(50));

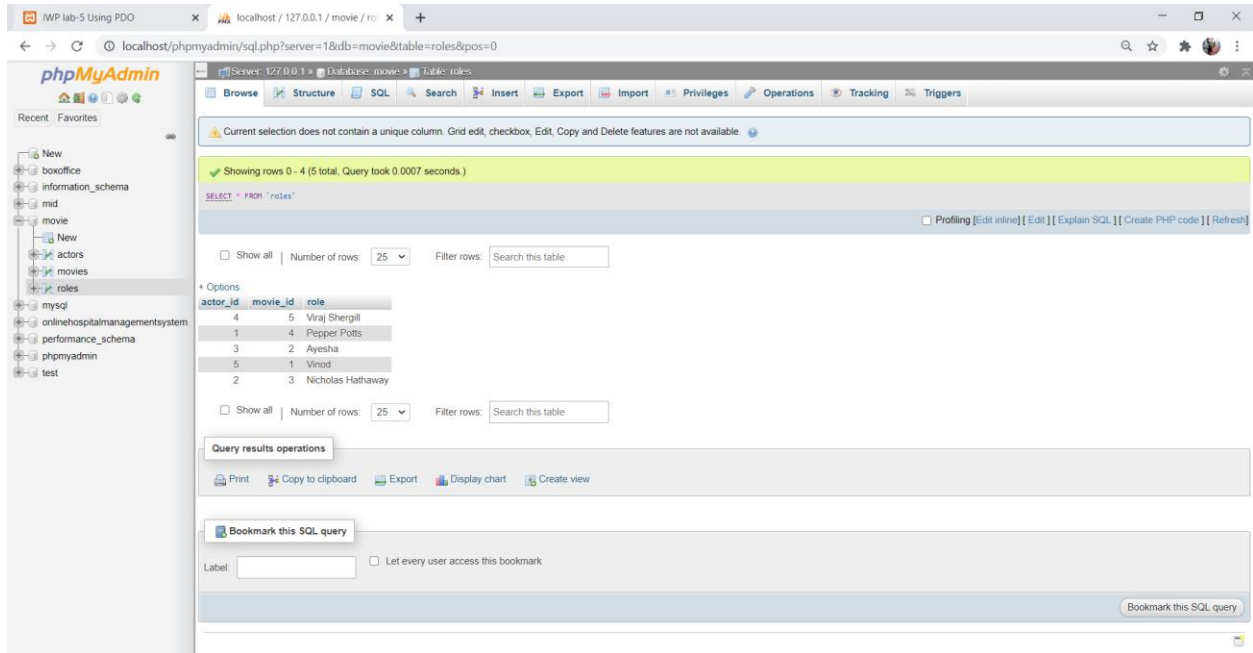


25) Query to insert record in roles table.

INSERT INTO roles values(4,5,'Viraj Shergill');

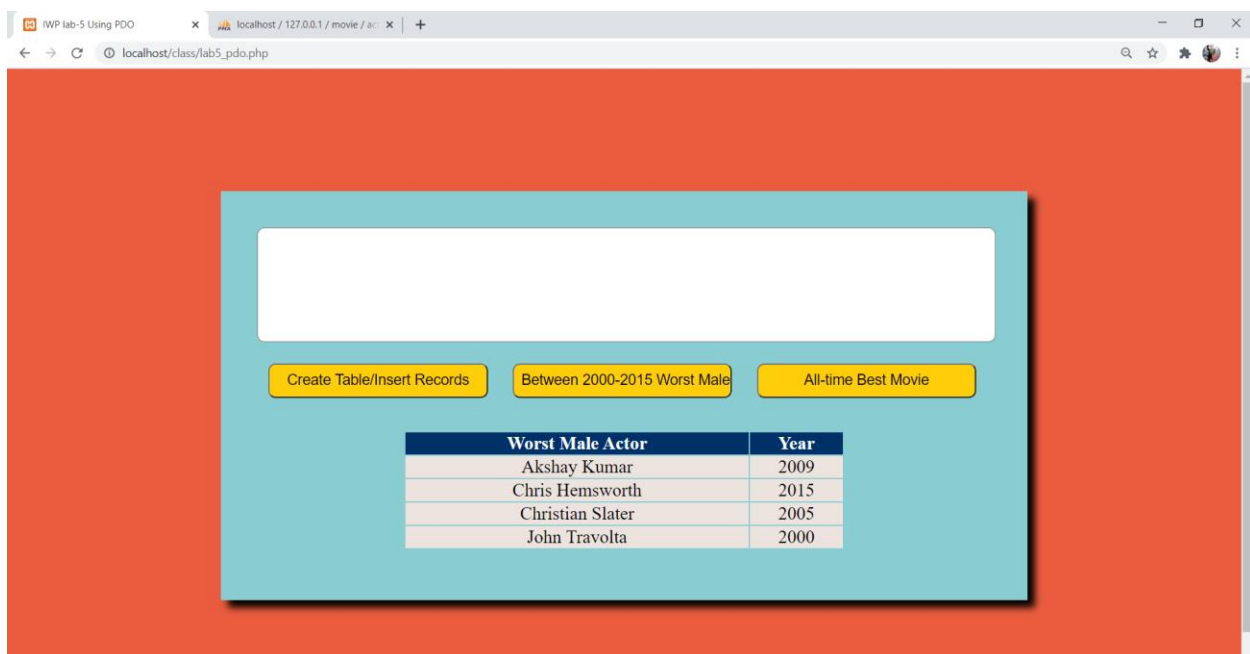
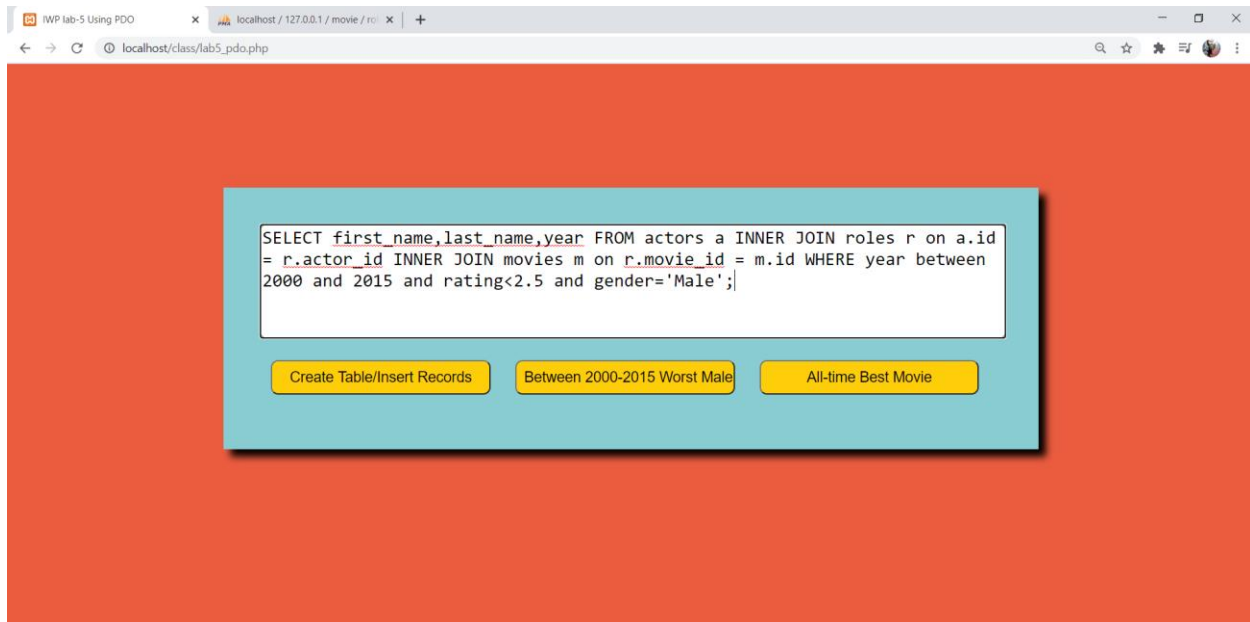


26) Similarly, we can insert next rows in the roles table



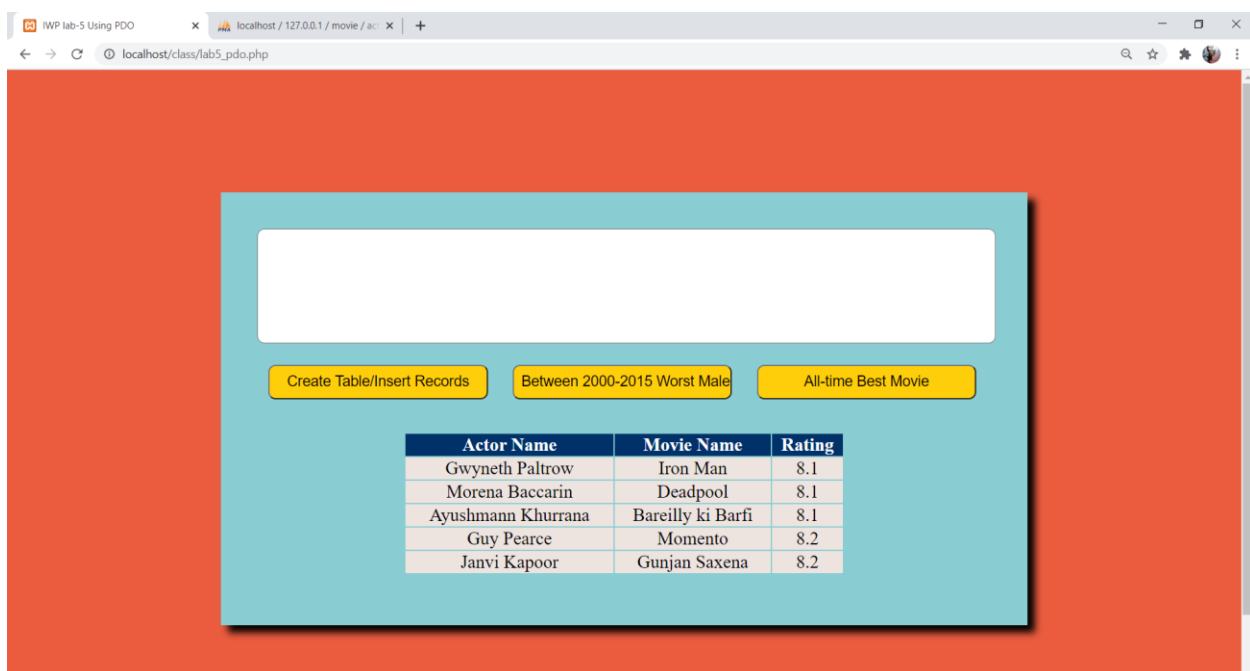
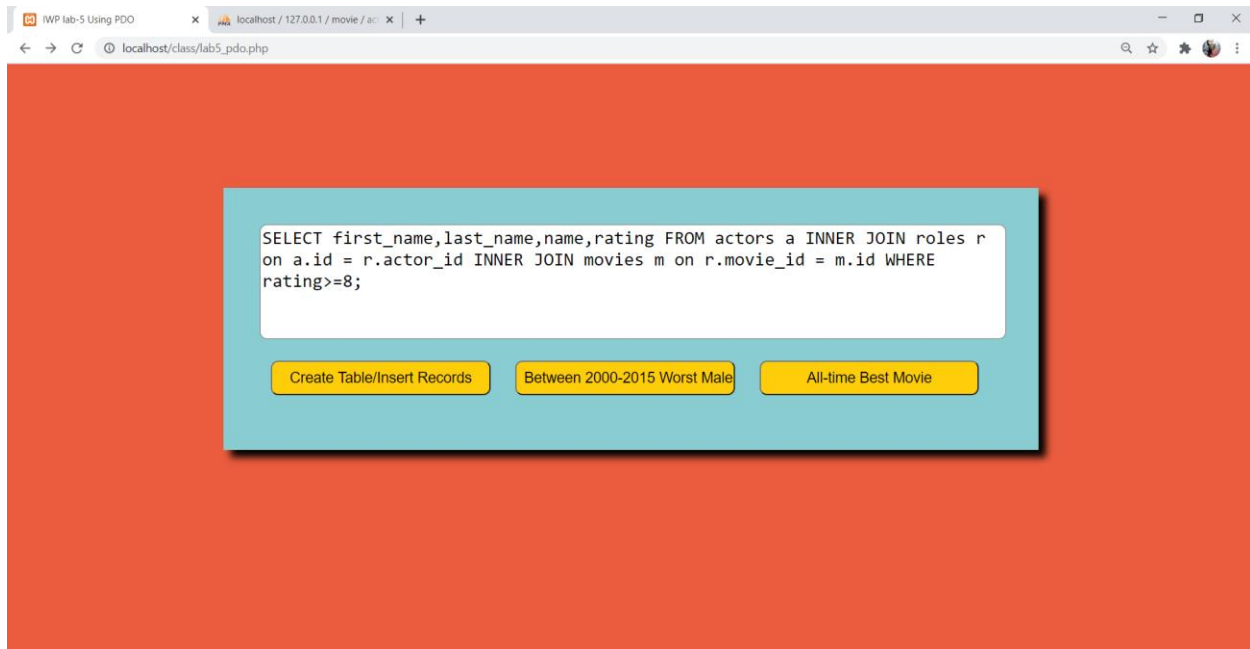
27) After all these steps of creating and inserting records now we can run a query that lists the male actors who appeared in a movie during 2000-2015, that was rated lower than 2.5.

SELECT first_name,last_name,year FROM actors a INNER JOIN roles r on a.id = r.actor_id INNER JOIN movies m on r.movie_id = m.id WHERE year between 2000 and 2015 and rating<2.5 and gender='Male';



28) Now we can run a query that shows all-time best movie.

SELECT first_name,last_name,name,rating FROM actors a INNER JOIN roles r on a.id = r.actor_id INNER JOIN movies m on r.movie_id = m.id WHERE rating>=8;



28) It runs for both with one output and more than one output.

29) These were the steps to run the program using PDO.