PHP
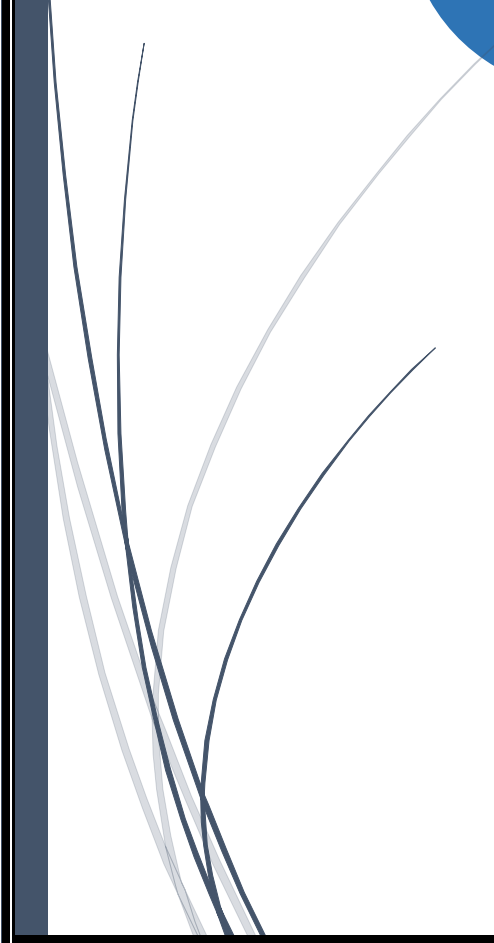
12/15/2022

ASSIGNMENT 7

GT

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ASSIGNMENT BASE: DATABASE
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ASSIGNMENT 7
SET-A

Q.1 Write a PHP script to create an employee table using attributes employee number, employee name, address joining date and salary. If a table is created then display the appropriate message otherwise end the script.

Ans :

Page First:

```php
<?php
$username="root";
$servername="localhost";
$password="";
$database="employees";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "Database Connection is Ready..!<br>";
}else{
die("Database Connection Failed<br>". mysqli_error());
}
/*$database="CREATE DATABASE employees";
$result=mysqli_query($conn,$database);
if($result){
            echo"Database is created successfully..!<br>";
}
else{
            echo"database was not craeted<br>". mysqli_error($conn);
}*/
$create= "CREATE TABLE employee(eno INT PRIMARY KEY,ename VARCHAR(10),address VARCHAR(15),doj DATE, salary INT)";
$result=mysqli_query($conn,$create);
if($result){
            echo"<script>alert('Table created successfully..!<br>')";
}
else{
            echo"<script>alert('Table was not created..!')</script>";
}
mysqli_close($conn);
?>
```
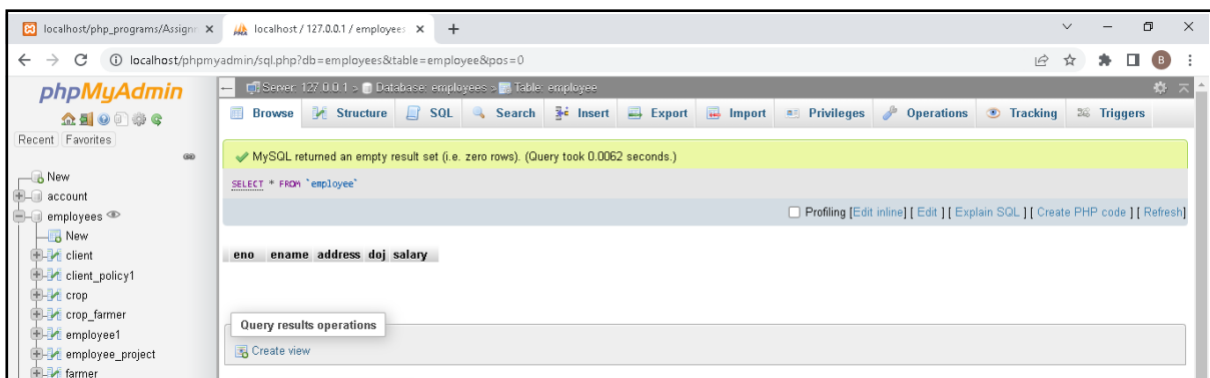
Output :

OUTPUT INTERFACE

Note : An alert message is popping up table was not created because this table has already created in database.
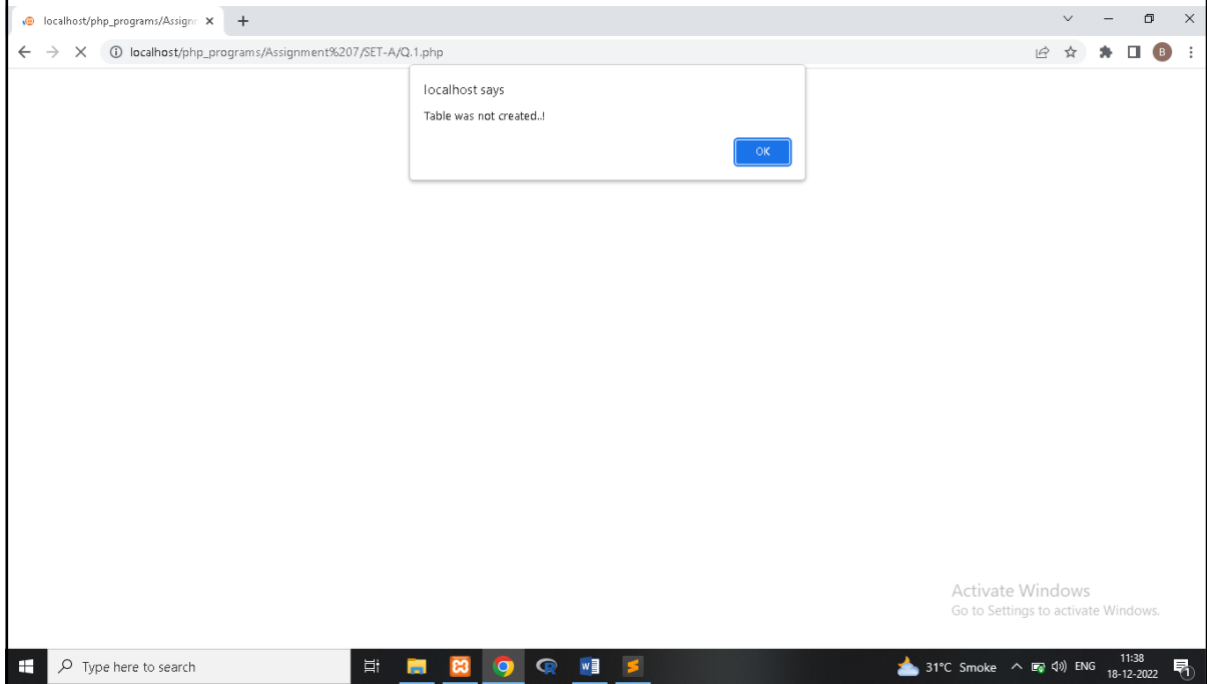
DATABASE OUTPUT

ASSIGNMENT 7
SET-A

Q.2 Write a PHP script to accept account details (account number, account type and balance).
Store this details in the account table and display an appropriate message.

Ans :

Page First:

```html
<html>
<fieldset>
<legend><h2>Account Details</h2></legend>
<form action="#" method="POST">
<label>Account Number :</label><br>
<input type="text" name="accno" placeholder="Enter Your Account Number..."><br><br>
<label>Account Type :</label><br>
<select name="acctype">
<option name="acctype" value="Saving">Saving</option>
<option name="acctype" value="Current">Current</option>
</select><br><br>
<label>Account Balance :</label><br>
<input type="text" name="balance" placeholder="Enter Account Balance..."><br><br>
<input type="submit" name="submit" value="Submit"/>
</fieldset>
</form>
</html>
```

```php
<?php
error_reporting(0);
$accno=$_POST['accno'];
$acctype=$_POST['acctype'];
$balance=$_POST['balance'];
$username="root";
$servername="localhost";
$password="";
$database="account";
echo "<strong><u>Result :</strong></u><br>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "Database Connection is Ready..!<br>";
}else{
```

```php
    die("Database Connection Failed..!<br>". mysqli_error($conn));
}
$database="CREATE DATABASE account";
$result=mysqli_query($conn,$database);
if($result){
            echo"Database is created successfully..!<br>";
}
else{
            echo"database was not created<br>". mysqli_error($conn);
}
$create= "CREATE TABLE account_details(acc_no INT PRIMARY KEY,acc_type
VARCHAR(10),balance VARCHAR(15))";
$result=mysqli_query($conn,$create);
if($result){
            echo"<script>alert('Table created successfully..!<br>')";
}
else{
            echo"<script>alert('Table was not created..!')</script>";
}
$sql="INSERT INTO account_details VALUES ('$accno', '$acctype', '$balance')";
$result2=mysqli_query($conn,$sql);
if($result2){
            echo"<script>alert(Data inserted successfully..!<br>')</script>";
}
else{
            echo"<br>Unable to insert Data..!<br>". mysqli_error($conn);
}
mysqli_close($conn);
?>
```

Output :

OUTPUT INTERFACE

Account Details

Account Number :
215176

Account Type :
Saving

Account Balance :
5000

Submit

Result :
Database Connection is Ready..!
database was not created
Can't create database 'account'; database exists
Unable to insert Data..!
Duplicate entry '0' for key 'PRIMARY'

DATABASE INTERFACE

ASSIGNMENT 7
SET-A
Q.3 Write a PHP script to accept product number from user. Update the price of the product and display an appropriate display an appropriate message.
Ans :

Page First:

```php
<?php
echo"<fieldset>
<legend><h3>Updation Form</h3></legend>
<form action='' method='POST'>
<label>Product No :</label><br>
<input type='text' name='pno' placeholder='Enter Product Number...'/><br><br>
<input type='submit' name='submit'
value='submit'/>       
<input type='reset' name='reset' value='Reset'/>
</fieldset>
</form>";
$username="root";
$servername="localhost";
$password="";
$database="employees";
$update=$_POST['pno'];
echo "<h2>Alert Messages :</h2>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "Database Connection is Ready..!<br>";
}else{
die("Database Connection Failed<br>". mysqli_error($conn));
}
$create= "CREATE TABLE product(pno INT PRIMARY KEY,pname VARCHAR(10),quantity
INT, rate INT)";
$result=mysqli_query($conn,$create);
if($result){
            echo"<script>alert('Table created successfully..!<br>')";
}
else{
            echo"Table was not created..! <br>". mysqli_error($conn);
}
/*$query="INSERT INTO product VALUES (01,'santoor',500,25)";
$result2=mysqli_query($conn,$query);
if($result2){
            echo"Data Inserted successfully..!<br>";
}
else{
            echo"Data was not Inserted due to this error..--> ". mysqli_error($conn);
}*/
```

```php
$sql="UPDATE product SET pno=$update WHERE pno=1";
$result2=mysqli_query($conn,$sql);
if($result2){
            echo"Data Updated successfully..!<br>";
}
else
{
            echo"Data was not Updated due to this error..--> ". mysqli_error($conn);
}
mysqli_close($conn);
?>
```

Output :

OUTPUT INTERFACE

DATABASE INTERFACE

ASSIGNMENT 7
SET-B

Q.1 Consider the following entities and their relationship
Employee(eno,ename,sal)
Project(pno,pname,duration)
Employee and Project are related with many-to-many relationship. Create a RDB in 3NF for the above.
Using the above database write a PHP script to accept project name. Display the name of the employees and the duration of the project.

Ans :

Page First:
```
<html>
<fieldset>
<legend><h2>Employee Details</h2></legend>
<form action="aim1.php" method="POST">
<label>Project Name :</label>
<input type="text" name="pname" placeholder="Enter Project name..."/><br><br>
<input type="submit" name="submit" value="submit"/>
</fieldset>
</form>
</html>
```


Page Second:
```
<?php
$username="root";
$servername="localhost";
$password="";
$database="employees";
$pname=$_POST['pname'];
echo"<br><br><br><br><br><center><h1><u> Fetched Result</u></h1></center>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "<script>alert('Database Connection Established..!<br>')</script>";
}else{
die("Database Connection Failed<br>". mysqli_error($conn));
}
$query="select ename,duration from employee1,project,employee_project where
pname='$pname'";
//where client_policy1.cno=client.cno and client_policy1.pno=policy_details.pno";
$result=mysqli_query($conn,$query);
if($result){
        echo"<center>
```

```php
        <table border='5' cellpadding='5' cellspacing='10' height='200'>
        <tr>
        <th>Name of Employee </th>
        <th>Duration</th>
        </tr>";
while($row=mysqli_fetch_array($result)){
echo"<td>".$row['ename']."</td>";
echo"<td>".$row['duration']."</td></tr></table></center>";

}
}

mysqli_close($conn);
?>
```

Output :

OUTPUT INTERFACE 1

OUTPUT INTERFACE 2

ASSIGNMENT 7
SET-B

Q.2 Consider the following entities and their relationships.
train(tno,tname)
passenger(pno,pname,addr,age)
The relationship between train and passenger is many-to-many with descriptive attribute date, seat_no and amt. Create a RDB in 3 NF for the above.
Using the above database write a PHP script to accept date. Display train details having maximum passengers for a given date.

Ans :

Page First:
```
<html>
<fieldset>
<legend><h2>Employee Details</h2></legend>
<form action="target1.php" method="POST">
<label>Train Arrival date :</label>
<input type="text" name="date1" placeholder="Enter Train Arrival Date..."/><br><br>
<input type="submit" name="submit" value="submit"/>
</fieldset>
</form>
</html>
```


Page Second:
```
<?php
$username="root";
$servername="localhost";
$password="";
$database="employees";
$date=$_POST['date1'];
echo"<br><br><br><br><br><center><h1><u> Fetched Result</u></h1></center>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "<script>alert('Database Connection Established..!<br>')</script>";
}else{
die("Database Connection Failed<br>". mysqli_error($conn));
}
$query="select max(p_no),train_passanger.t_no,t_name from train_passanger,train
where date='$date'";
mysqli_query($conn,$query);
//where client_policy1.cno=client.cno and client_policy1.pno=policy_details.pno";
$result=mysqli_query($conn,$query);

if($result)
{
```

```
                echo"<center>
                <table border='5' cellpadding='5' cellspacing='10' height='200'>
                <tr>
                <th>Train Number </th>
                <th>Train Name</th>
                </tr>";
while($row=mysqli_fetch_array($result)){
echo"<tr><td>".$row['t_no']."</td>";
echo"<td>".$row['t_name']."</td></tr></table></center>";


}
}



 mysqli_close($conn);
 ?>
```
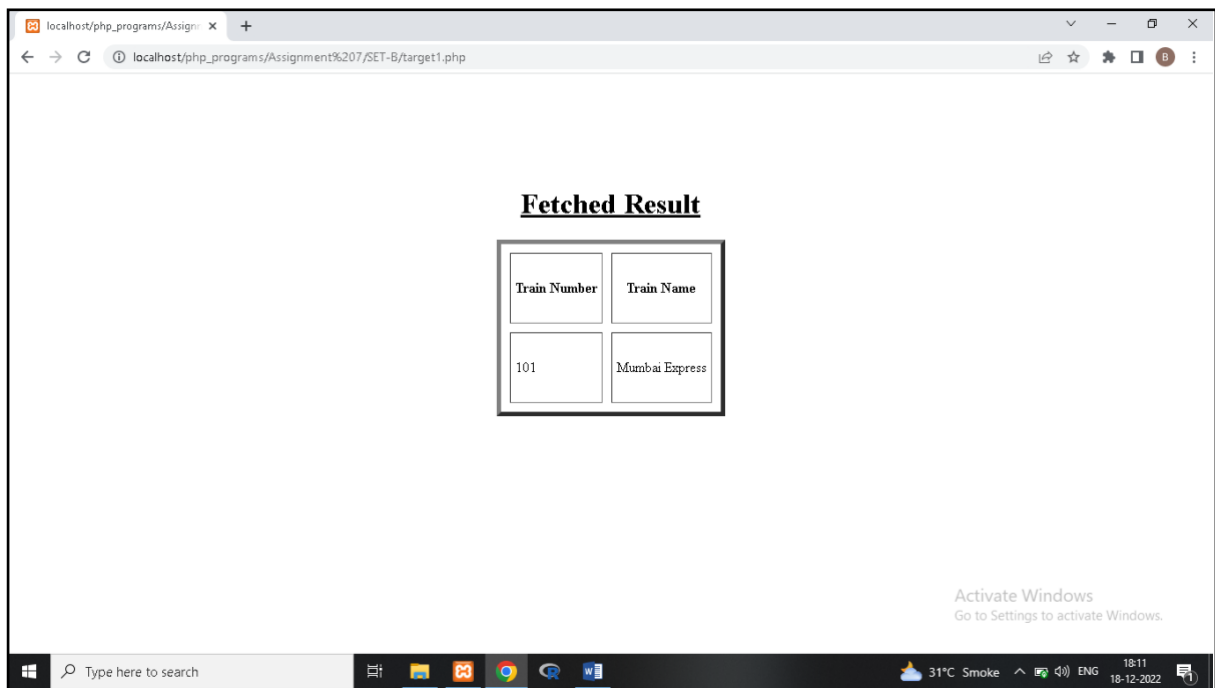
Output :

OUTPUT INTERFACE 1

OUTPUT INTERFACE 2

Fetched Result

Train Number	Train Name
101	Mumbai Express

Activate Windows
Go to Settings to activate Windows.
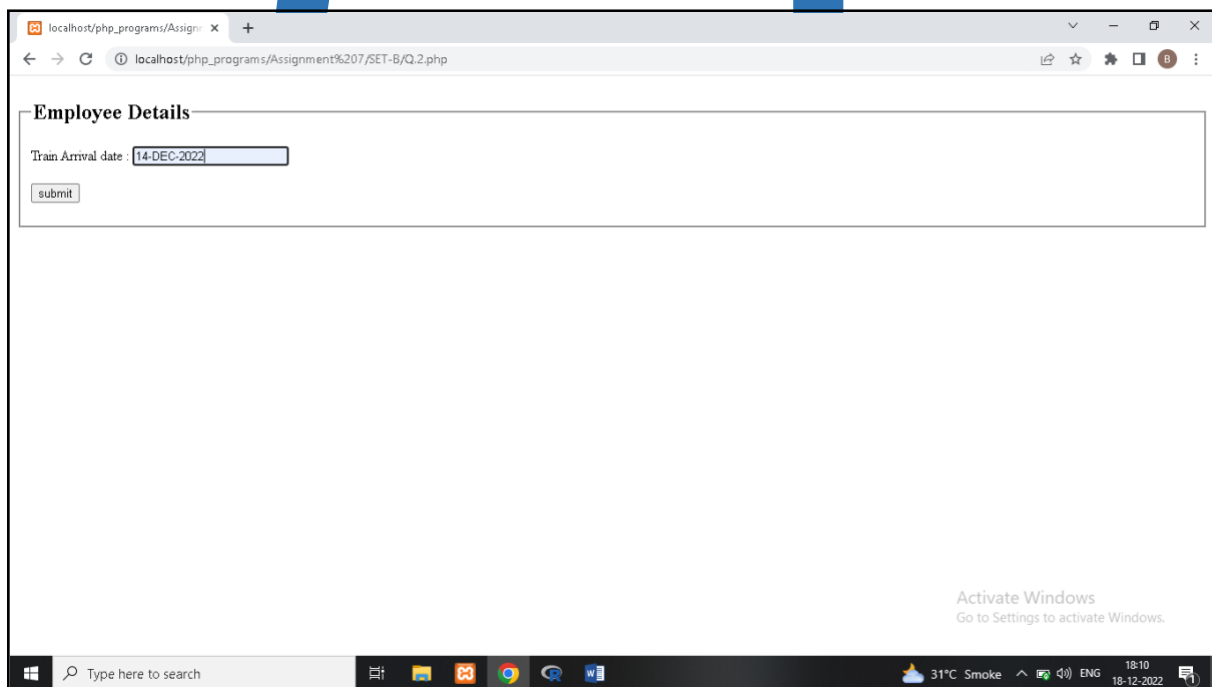
Q.3 Consider the following entities and their relationships.
crop(c_no,c_name,c_season,pesticides)
farmer(f_no,f_name,f_location)
The relationship between crop and farmer is many-to-many with descriptive attribute
year. Create a RDB in 3 NF for the above.
Using the above database write a PHP script to accept crop name and year value. Display
total no of farmers harvesting given crop in a given year.

Ans :

Page First:

```
<html>
<fieldset>
<legend><h2>Employee Details</h2></legend>
<form action="direction1.php" method="POST">
<label>Crop Name :</label>
<input type="text" name="crop1" placeholder="Enter Crop Name..."/><br><br>

<label>Crop Year :</label>
  
<input type="text" name="year1" placeholder="Enter Crop Year..."/><br><br>
<input type="submit" name="submit" value="submit"/>
            
            
            
<input type="reset" name="reset" value="reset"/>
</fieldset>
</form>
</html>
```


Page Second:

```php
<?php
$username="root";
$servername="localhost";
$password="";
$database="employees";
$crop=$_POST['crop1'];
$year=$_POST['year1'];

echo"<br><br><br><br><br><center><h1><u> Fetched Result</u></h1></center>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "<script>alert('Database Connection Established..!<br>')</script>";
}else{
```

```php
die("Database Connection Failed<br>". mysqli_error($conn));
}

$query="select count(f_no),c_name, year from crop_farmer,crop where c_name='$crop'
and year='$year'";
mysqli_query($conn,$query);
//where client_policy1.cno=client.cno and client_policy1.pno=policy_details.pno";
$result=mysqli_query($conn,$query);

if($result)
{
            echo"<center>
            <table border='5' cellpadding='5' cellspacing='10' height='200'>
            <tr>
            <th>No of Farmers Harvesting In Year : $year </th>
            <th>Crop Name</th>
            <th>Crop Year</th>
            </tr>";
while($row=mysqli_fetch_array($result)){
echo"<tr><td>".$row['count(f_no)']."</td>";
echo"<td>".$row['c_name']."</td>";
echo "<td>".$row['year']."</tr></table></center>";

}
}
else{
            "Unable to Proceed Your request..!".mysqli_error();

}


 mysqli_close($conn);
 ?>
```
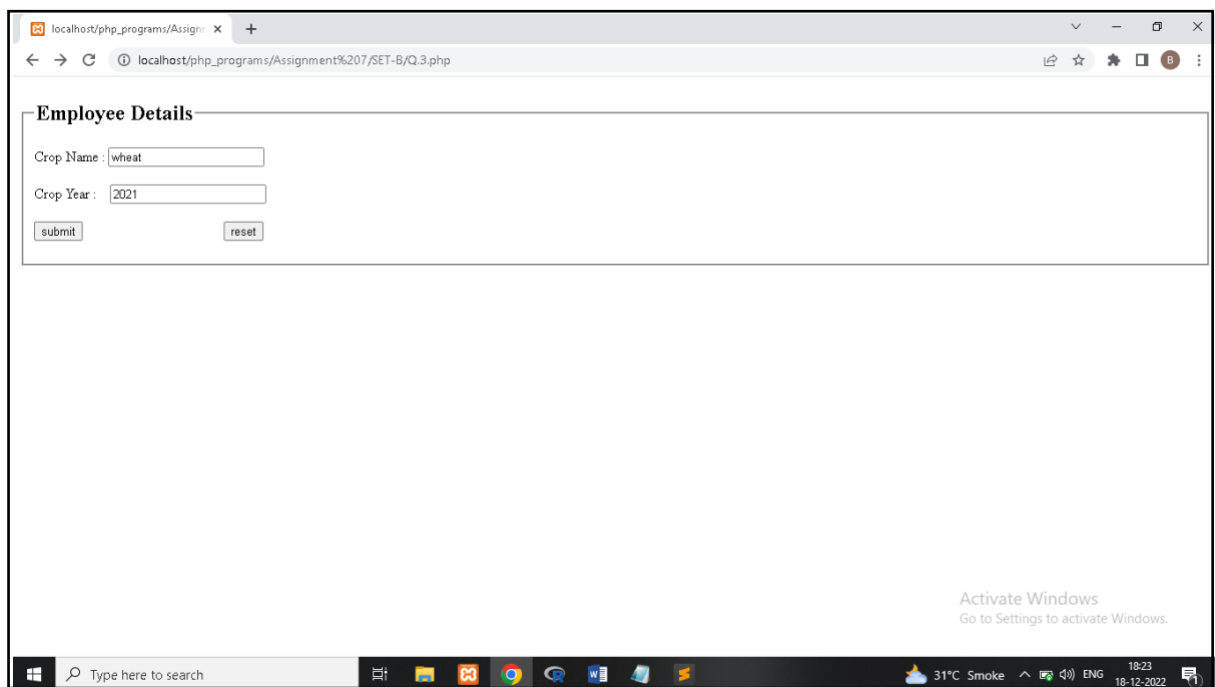
Output :

OUTPUT INTERFACE 1

OUTPUT INTERFACE 2

ASSIGNMENT 7
SET-C

Q.1 Consider the following entities and their relationships.

client(c_no,c_name,c_addr,birthdate)

policy_info(p_no,p_name,maturity_amt,prem_amt,policy_term)

The relationship among client and policy _info is many-to-many with descriotive attribute date_of_purchase. create a RDB in 3NF for the above

Using the above database write a php script to display policy details of given client for a given year in the following format.

Client Name: **Year:**

Policy Name	Maturity Amt	Premium Amt	Policy term	Date Of Pur.

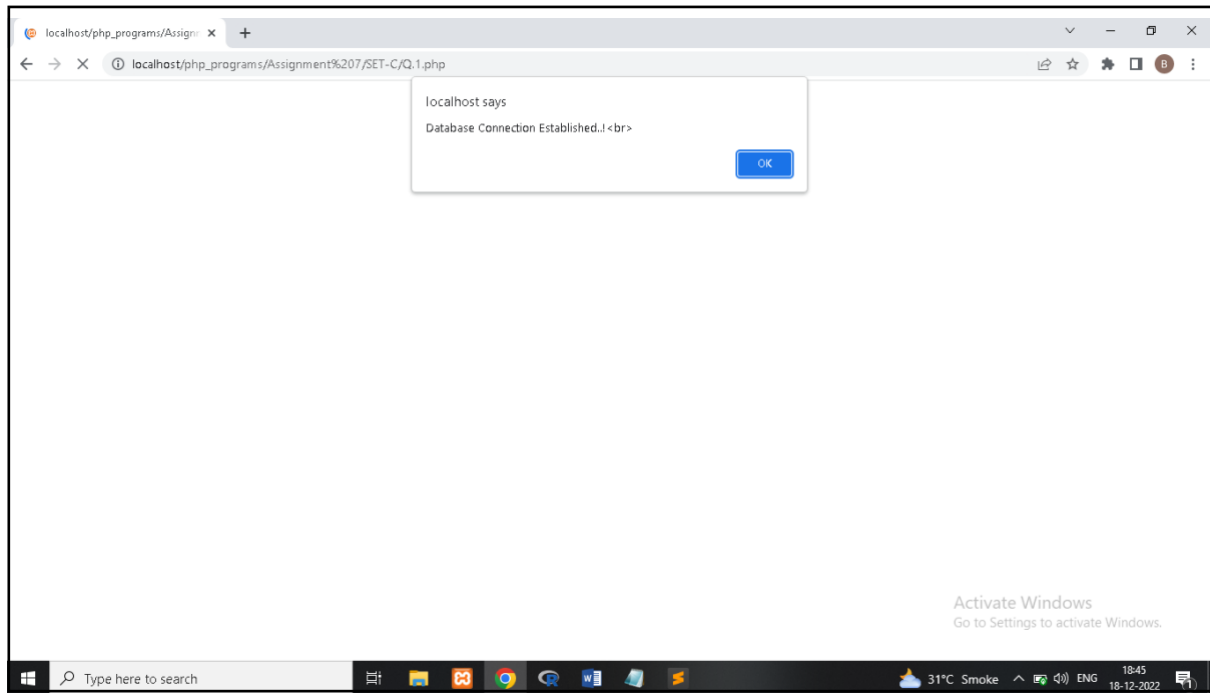Ans :

Page First:
```php
<?php
$username="root";
$servername="localhost";
$password="";
$database="employees";
echo"<br><br><br><br><br><center><h1><u> Fetched Result</u></h1></center>";
$conn=mysqli_connect($servername, $username, $password,$database);
if($conn){
echo "<script>alert('Database Connection Established..!<br>')</script>";
}else{
die("Database Connection Failed<br>". mysqli_error($conn));
}
$query="select c_name,policy_details.p_name, maturity_amt, prem_amt,
policy_term,date_of_purchase from client,policy_details,client_policy1";
//where client_policy1.cno=client.cno and client_policy1.pno=policy_details.pno";
$result=mysqli_query($conn,$query);
if($result){
            echo"<center>
            <table border='5' cellpadding='5' cellspacing='10' height='200'>
            <tr>
            <th>Policy Name</th>
            <th>Maturity Amount</th>
            <th>Premium Amount</th>
            <th>Policy Term</th>
            <th>Date of Purchase</th>
            </tr>";
while($row=mysqli_fetch_array($result)){
            echo"<tr><b>Client Name:".$row['c_name']."</b></tr>";
```
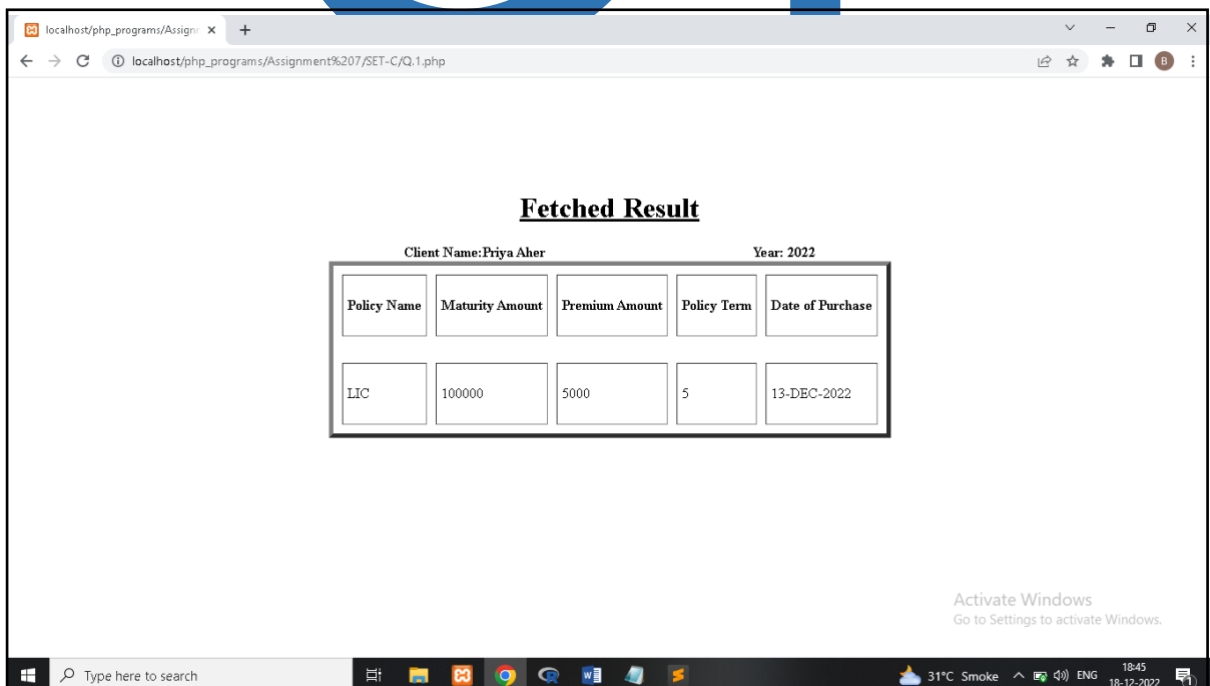
```php
            echo"<tr>        &nbsp
;            &n
bsp; 
                      &
nbsp;           &nbs
p;  
                     <b>Year:
2022</b></tr>";
 echo"<tr><td>".$row['p_name']."</td>
<td>".$row['maturity_amt']."</td>
<td>".$row['prem_amt']."</td>
<td>".$row['policy_term']."</td>
<td>".$row['date_of_purchase']."</td></tr>";
 }
 echo"</table></center>";
 }
else{
            echo"No data Display...! <br>". mysqli_error($conn);
 }
?>
```

Output :

OUTPUT INTERFACE 1

OUTPUT INTERFACE 2

Fetched Result

Client Name: Priya Aher   Year: 2022

Policy Name	Maturity Amount	Premium Amount	Policy Term	Date of Purchase
LIC	100000	5000	5	13-DEC-2022

GT