School of Information Technology and Engineering

SWE1008 - Web Technologies

Embedded Lab

Digital Assignment-3

Winter Semester 2021-22
SLOT: L9+L10

Submitted By

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M.Tech (Software Engineering) 3 rd Year

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1. Create a web page with the following details

No.	Field	Component
1.	Name	Text Box
2.	Password	Password
3.	Gender(Male or Female)	Radio Button
4.	Date of Birth	Date – Drop Down Box Month – Drop Down Box Year – Drop Down Box
5.	Education	PG – Check Box UG – Check Box Professional - Check Box
6.	Email id	Text box

Submit these details to next page, where those have to be stored in database and retrieved from database and display in the web page using table.

HTML Code:

```
<html>
<head>
<title>19MIS0010_Sethumadhavan V</title>
</head>
<body>
<form id='login' action='1.php.php' method='POST'>
<h1></h1>Name: <input type="text" name="username"
value=""required><br><br>
Password: <input type="password" name="password"
value=""required><br><br>
Gender:
<input type="radio" name="gender" value="Female">Female
<input type="radio" name="gender" value="Male">Male
<br><br>
Date Of Brith:Month   <table border="0" cellspacing="0" >
  <select name="month" value="">Select Month</option>
  <option value='01'>January</option>
  <option value='02'>February</option>
  <option value='03'>March</option>
  <option value='04'>April</option>
  <option value='05'>May</option>
  <option value='06'>June</option>
  <option value='07'>July</option>
  <option value='08'>August</option>
  <option value='09'>September</option>
  <option value='10'>October</option>
```

```
    <option value='11'>November</option>
    <option value='12'>December</option>
</select>
Date<select name="dt" >
<option value='01'>01</option>
<option value='02'>02</option>
<option value='03'>03</option>
<option value='04'>04</option>
<option value='05'>05</option>
<option value='06'>06</option>
<option value='07'>07</option>
<option value='08'>08</option>
<option value='09'>09</option>
<option value='10'>10</option>
<option value='11'>11</option>
<option value='12'>12</option>
<option value='13'>13</option>
<option value='14'>14</option>
<option value='15'>15</option>
<option value='16'>16</option>
<option value='17'>17</option>
<option value='18'>18</option>
<option value='19'>19</option>
<option value='20'>20</option>
<option value='21'>21</option>
<option value='22'>22</option>
<option value='23'>23</option>
<option value='24'>24</option>
<option value='25'>25</option>
<option value='26'>26</option>
<option value='27'>27</option>
<option value='28'>28</option>
<option value='29'>29</option>
<option value='30'>30</option>
<option value='31'>31</option>
</select>
Year<select name="Year" >
<option value='2001'>2001</option>
<option value='2002'>2002</option>
<option value='2003'>2003</option>
<option value='2004'>2004</option>
<option value='2005'>2005</option>
<option value='2006'>2006</option>
```

```html
<option value='2007'>2007</option>
<option value='2008'>2008</option>
<option value='2009'>2009</option>
<option value='2010'>2010</option>
<option value='2011'>2011</option>
<option value='2012'>2012</option>
<option value='2013'>2013</option>
<option value='2014'>2014</option>
<option value='2015'>2015</option>
<option value='2016'>2016</option>
<option value='2017'>2017</option>
<option value='2018'>2018</option>
<option value='2019'>2019</option>
<option value='2020'>2020</option>
</select>
<br><label>Select Course</label>
<input type="checkbox" name="course" value="PG" />PG
<input type="checkbox" name="course" value="UG" />UG
<input type="checkbox" name="course" value="Professional"
/>Professional<br />
<br>
E-mail: <input type="text" name="email" value=""required><br><br>
<input type="submit" name="submit" value="Submit">
</h1>
</form>
</body>
</html>
```

Php.code:

```php
<?php
  $con= mysqli_connect("localhost","root","");
  if (!$con)
 {
 die("Could not connect: " . mysqli_error());
 }
else
{
echo "connection successful";
}
      $sql= "CREATE DATABASE EXERCISE1";
      $run2 = mysqli_query($con,$sql);
   $db = mysqli_select_db($con,"EXERCISE1");
```

```php
    $query="CREATE TABLE MYDETAILS(username varchar(20), passwords
varchar(20), Gender varchar (10),dob varchar(15),education varchar(15),email
varchar(15))";
   $run3 = mysqli_query($con,$query);
       $name=$_POST["username"];
   $psd = $_POST["password"];
   $gender = $_POST["gender"];
   $dob = $_POST["Date"];
   $course = $_POST["course"];
   $email = $_POST["email"];
   $query1 = "INSERT INTO MYDETAILS
VALUES('$name','$psd','$gender','$dob','$course','$email')";
   $run = mysqli_query($con,$query1);
   $query2 = "SELECT * FROM MYDETAILS";
   $display = mysqli_query($con,$query2);
   ?>
   <html>
   <head>
   <style>
      table, th, td {
      border:1px solid black;
   }
   </style>
   </head>
   Retrieving DATA from Database:
   <table>
      <tr> <th>name</th> <th>password</th> <th>gender</th> <th>dob</th>
<th>course</th> <th>email</th> </tr>
      <?php
      while($row = mysqli_fetch_assoc($display)){
        ?>
      <tr>
        <td>
          <?php echo $row["username"]; ?>
        </td>
        <td>
          <?php echo $row["passwords"]; ?>
        </td>
        <td>
          <?php echo $row["Gender"]; ?>
        </td>
        <td>
          <?php echo $row["dob"]; ?>
```

```
                </td>
                <td>
                    <?php echo $row["education"]; ?>
                </td>
                <td>
                    <?php echo $row["email"]; }?>
                </td>
            </tr>


    </table>
    <?php

    mysqli_close($con);
?>
```

Input:

Name: Sethu

Password: •••

Gender: ○ Female ● Male

Date Of Brith:Month May ▾ Date 10 ▾ Year 2001 ▾
Select Course ☐ PG ☑ UG ☐ Professional

E-mail: xxx2019@vitstudent.ac.in

Submit

connection successful Retrieving DATA from Database:

name	password	gender	dob	course	email
Sethumadhavan V	123	Male	May-10-2002	PG	sethumadhavan.v2019@vitstudent.ac.in
Sethu	456	Male	May-10-2002	UG	xxx2019@vitstudent.ac.in

2.Write a pair of pages that work together to allow the user to upload an image, img_upload.html and img_submit.php. img_upload.html should be a full and well-formed html page containing a form with a file upload input and a submit button. When the user submits the form, it should post the form to img_submit.php, located in the same directory. When the user posts a file to img_submit.php, your program should check to see whether the filename of the file that was given ends in .jpg or .gif. If it doesn't, the page should respond with HTTP/1.1 status code 400, and then die() with an error message describing the problem. You should save the file by moving it into the same directory as your program, saving the image as the original filename that was given by the POST request. Then, it should render a complete HTML document with the image in the document as an img element. The alt text of the img should be "user uploaded image". Error handling: if the file fails the is_uploaded_file check, or if the filename of the file that the user uploaded doesn't end with .jpg or .gif, you should respond with a header that indicates a status code of 400, and die() with an appropriate error message.

Input:

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19MIS0010_Sethumadhavan </title>
</head>
<body style="background-color:rgb(215, 84, 28)">
    <form action="2.php" method="POST" enctype="multipart/form-data">
    <h1 style="color:rgb(110, 19, 237);">Upload Your Image Here! <h1><br>
        <input type="file" name="file" id="file"> <br> <br>
        <input type="submit" value="Upload" name="submit">
    </form>
</body>
</html>
```
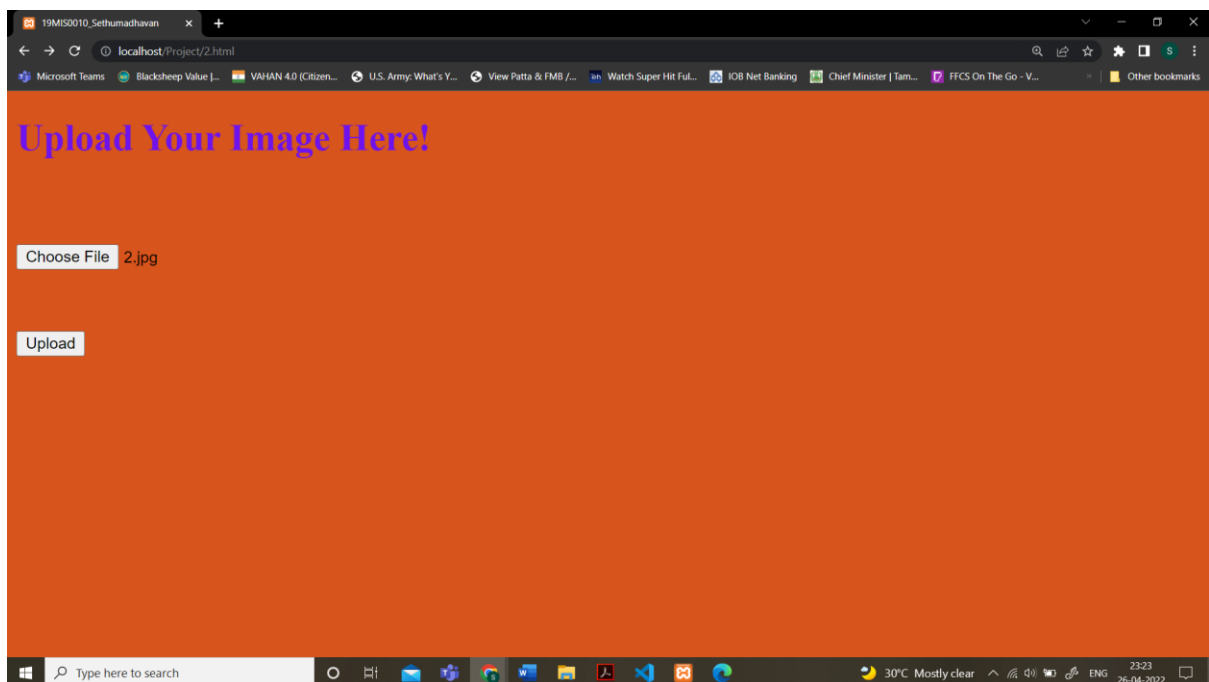
Php Code:

```
<body style="background-color:powderblue">
<?php
$target_dir = "uploads/";
```
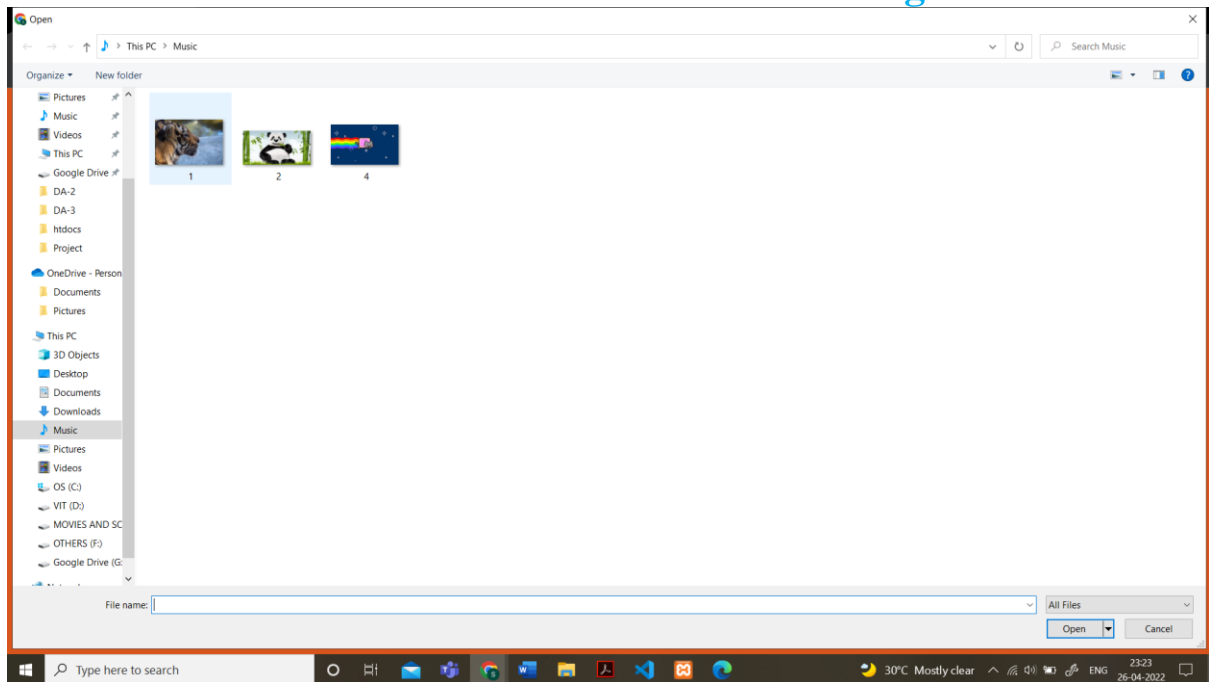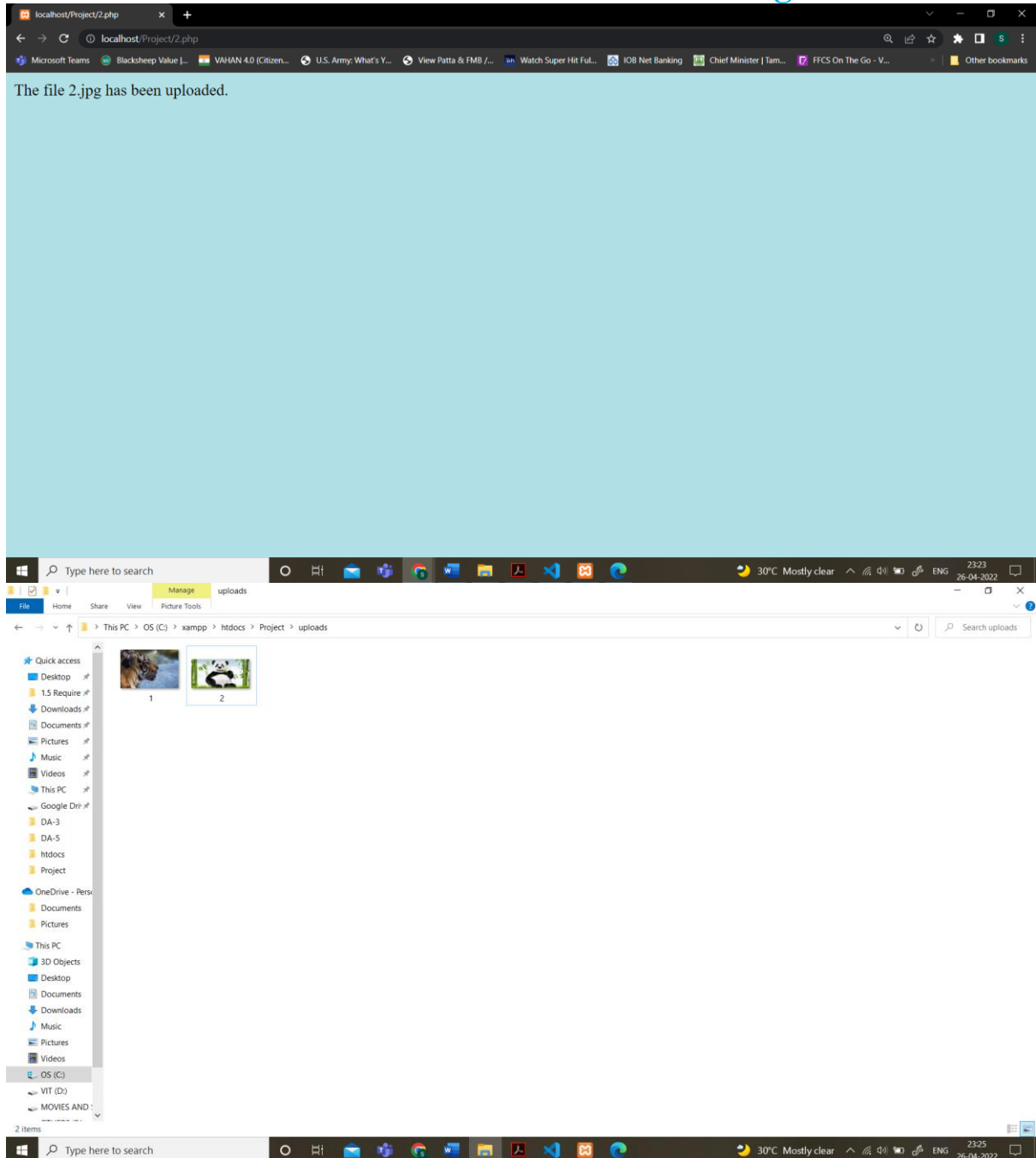
```php
$target_file = $target_dir . basename($_FILES["file"]["name"]);
$imageFileType =
strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
if($imageFileType != "jpg" && $imageFileType != "gif" ) {
  echo "Sorry, only JPG & GIF files are allowed.";
  $upload = 0;
}
else{

   $upload = 1;
}
if ($upload == 0) {
  echo "Sorry, your file was not uploaded.";
} else {
  if (move_uploaded_file($_FILES["file"]["tmp_name"], $target_file)) {
    echo "The file ". htmlspecialchars( basename( $_FILES["file"]["name"])). "
has been uploaded.";
  } else {
    echo "Sorry, there was an error uploading your file.";
  }
}
?>
</body>
```
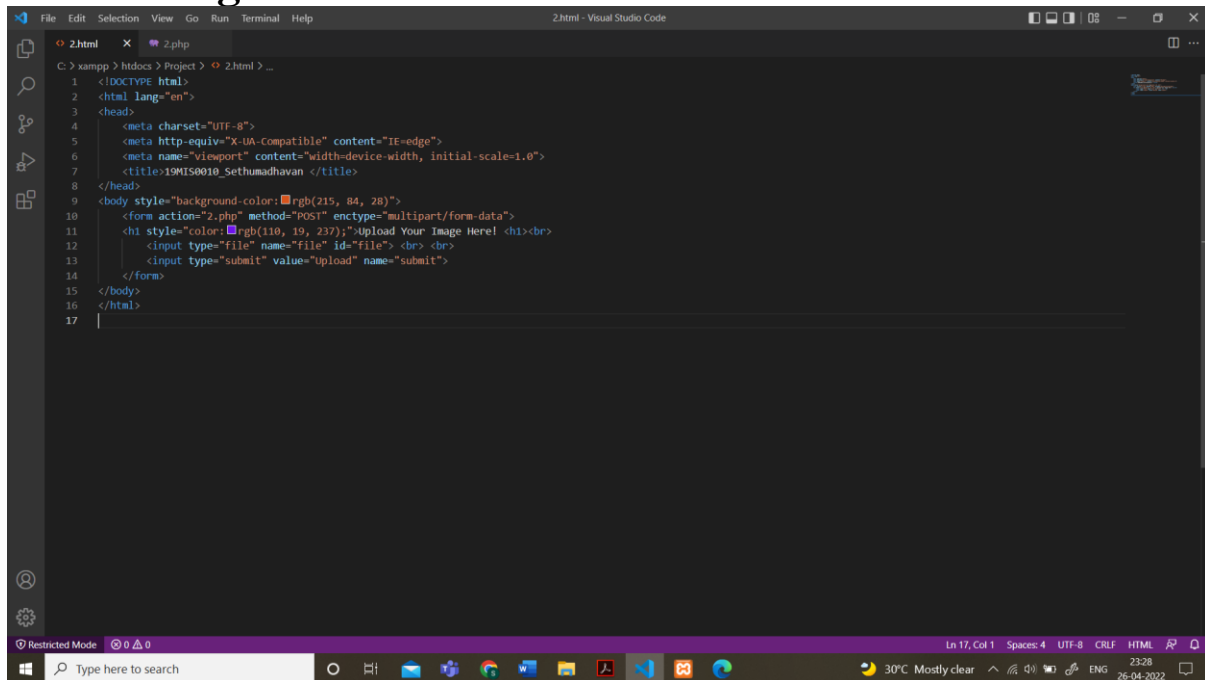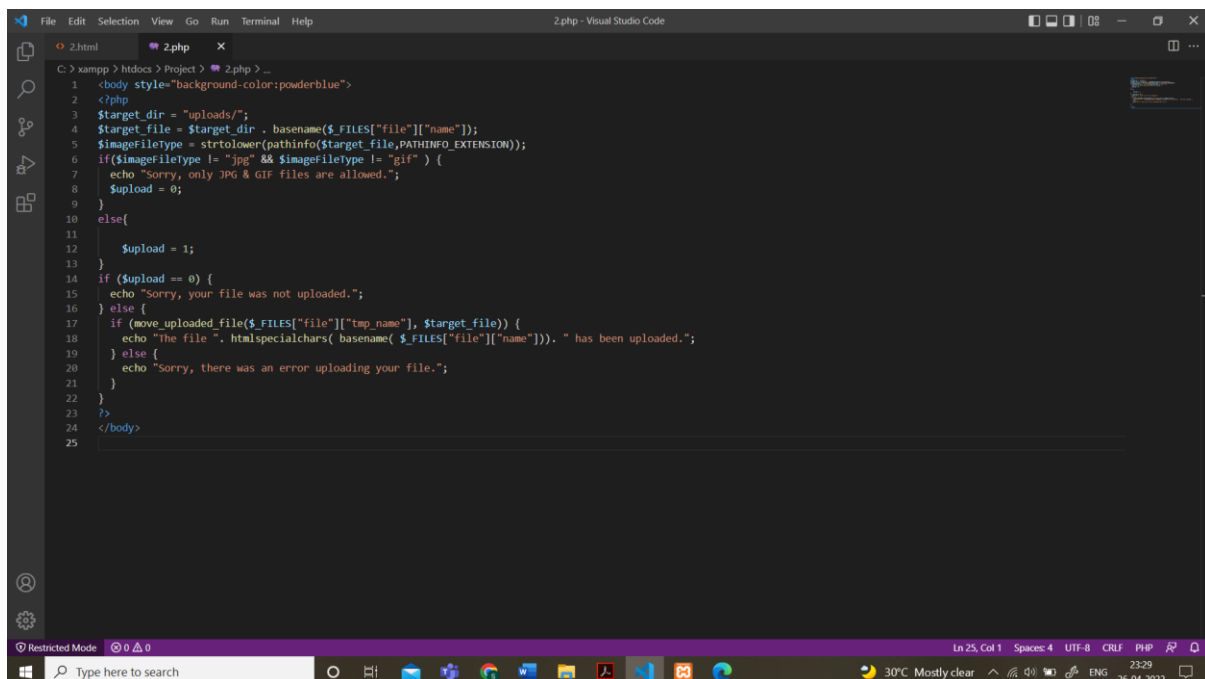
Output:

The file 2.jpg has been uploaded.

Proof Image:


```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19MIS0010_Sethumadhavan </title>
</head>
<body style="background-color:rgb(215, 84, 28)">
    <form action="2.php" method="POST" enctype="multipart/form-data">
    <h1 style="color:rgb(110, 19, 237);">Upload Your Image Here! <h1><br>
        <input type="file" name="file" id="file"> <br> <br>
        <input type="submit" value="Upload" name="submit">
    </form>
</body>
</html>
```



```php
<body style="background-color:powderblue">
<?php
$target_dir = "uploads/";
$target_file = $target_dir . basename($_FILES["file"]["name"]);
$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
if($imageFileType != "jpg" && $imageFileType != "gif" ) {
  echo "Sorry, only JPG & GIF files are allowed.";
    $upload = 0;
}
else{

    $upload = 1;
}
if ($upload == 0) {
  echo "Sorry, your file was not uploaded.";
} else {
  if (move_uploaded_file($_FILES["file"]["tmp_name"], $target_file)) {
    echo "The file ". htmlspecialchars( basename( $_FILES["file"]["name"])). " has been uploaded.";
  } else {
    echo "Sorry, there was an error uploading your file.";
  }
}
?>
</body>
```

3. Implement Shopping Cart application in the form given below using PHP sessions.
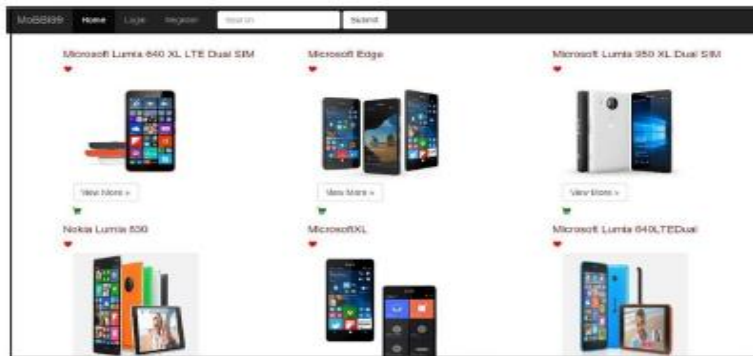
i. Usage of sessions is mandatory.
ii. The Shopping cart app should keep track of buyers information such as name of customer and product purchased.

Input:

```php
<?php session_start();
if(isset($_SESSION['uid'])){ header('location:profile.php');
}
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>19MIS0010</title>
<link rel="stylesheet" type="text/css" href="http://kenwheeler.github.io/slick/slick/slick.css"/>
<link rel="stylesheet" type="text/css" href="http://kenwheeler.github.io/slick/slick/slick-theme.css"/>
<link rel="stylesheet" type="text/css" href="assets/bootstrap-3.3.6-dist/css/bootstrap.css">
<link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
<div class="navbar navbar-default navbar-fixed-top" id="topnav">
<div class="container-fluid">
<div class="navbar-header">
<a href="index.php" class="navbar-brand">19MIS0010</a>
</div>
<ul class="nav navbar-nav">
<li style="width:200px;left:10px;top:10px;"><input type="text" class="form-control" id="search" name=""></li>
```

```
<li style="top:10px;left:20px;"><button class="btn btn-
primary" id="search_btn" name=""><span class='glyphicon glyphicon-
search'></span></button></li>
</ul>
<ul class="nav navbar-nav navbar-right">
<li id='shoppingcart'><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-shopping-
cart"></span>Cart <span class="badge">0</span> </a>
<div class="dropdown-menu" style="width: 400px;">
<div class="panel panel-success">
<div class="panel-heading">
<div class="row">
<div class="col-md-3">S. No.</div>
<div class="col-md-3">Product Image</div>
<div class="col-md-3">Product Name</div>
<div class="col-md-3">Price in $</div>
</div>
</div>
<div class="panel-body"></div>
<div class="panel-footer"></div>
</div>
</div>
</li>
<li><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-user"></span>Sign
In</a>
<ul class="dropdown-menu">
<div style="width: 300px;">
<div class="panel panel-primary">
<div class="panel-heading">Login</div>
<div class="panel-heading">
<label for="email">Email</label>
<input type="email" class="form-control" id="email">
<label for="email">Password</label>
<input type="password" class="form-control" id="password">
<p><br></p><a href="#" style="color: white;list-style- type: none;">Forgot
Password?</a>
<input type="submit" class="btn btn-
success" style="float: right;bottom:12px;" id="login" value="Login" name="">
</div>
<div class="panel-footer" id="e_msg"></div>
</div>
</div>
```

```
</ul>
<li><a href="customer_registration.php">Sign Up</a></li>
</ul>
</div>
</div>
<br><br><br>
<br>
<div class="container-fluid">
<div class="row">
<div class="col-md-1"></div>
<div class="col-md-2">
<div id="get_cat"></div>
<div class="col-md-8">
<div class="row">
<div class="col-md-12" id="cartmsg">
</div>
</div>
<div class="panel panel-info">
<div class="panel-heading text-center">--Featured Products--
<div class='pull-right'>
Sort:    <a href="#" id='price_sort'>Price</a> | <a href="#"
id='p op_sort'>Popularity</a>
</div>
</div>
<div class="panel-body">
<div id="get_product"></div>
</div>
<div class="panel-footer">&copy; 2017</div>
</div>
</div>
<div class="col-md-1"></div>
</div>
<div class="row">
<div class="col-md-12">
<center>
<ul class='pagination' id='pageno'>
</ul>
</center>
</div>
<!-- Modal -->
<div class="modal fade" id="prod_detail" tabindex="-1" role="dialog" aria-
labelledby="myModalLabel">
<div class="modal-dialog" role="document">
```
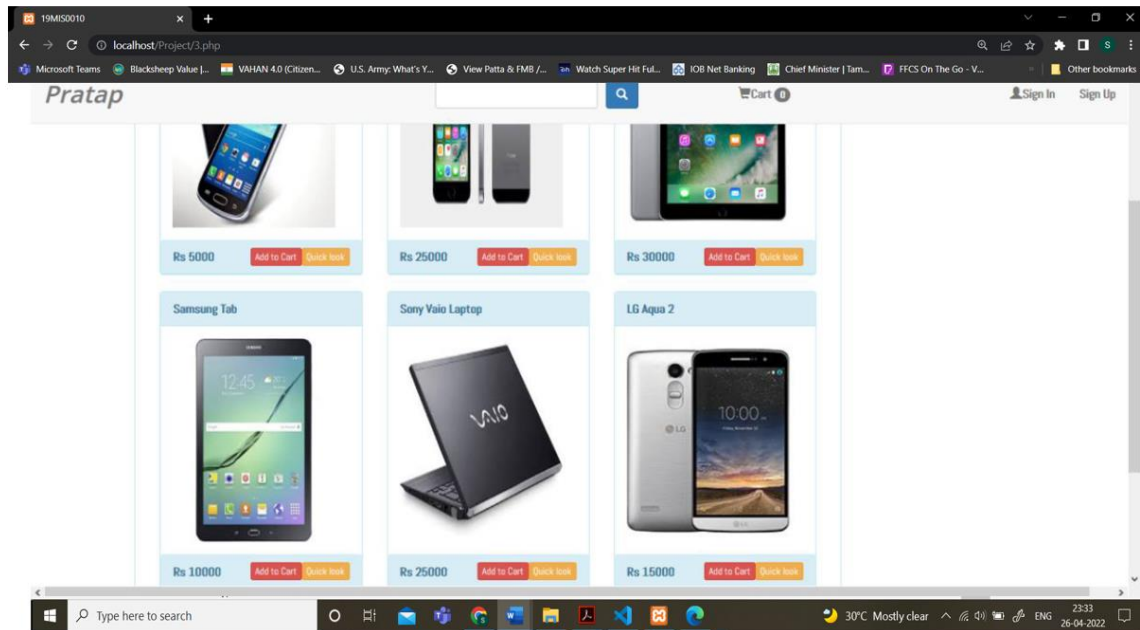
```html
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
<h4 class="modal-title" id="myModalLabel">Product Details</h4>
</div>
<div class="modal-body" id='dynamic_content'>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
<!-- Modal ends-->
</div>
</div>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script type="text/javascript" src="//code.jquery.com/jquery-migrate-1.2.1.min.js"></script>
<script type="text/javascript" src="//cdn.jsdelivr.net/jquery.slick/1.6.0/slick.min.js"></script>
<script src="assets/bootstrap-3.3.6-dist/js/bootstrap.min.js"></script>
<script src="main.js"></script>
</body>
<div class="foot"><footer>
<p> Brought To You By <a href="https://code-projects.org/">Code-Projects</a></p>
</footer></div>
<style> .foot{text-align: center;}
</style>
</html>
```
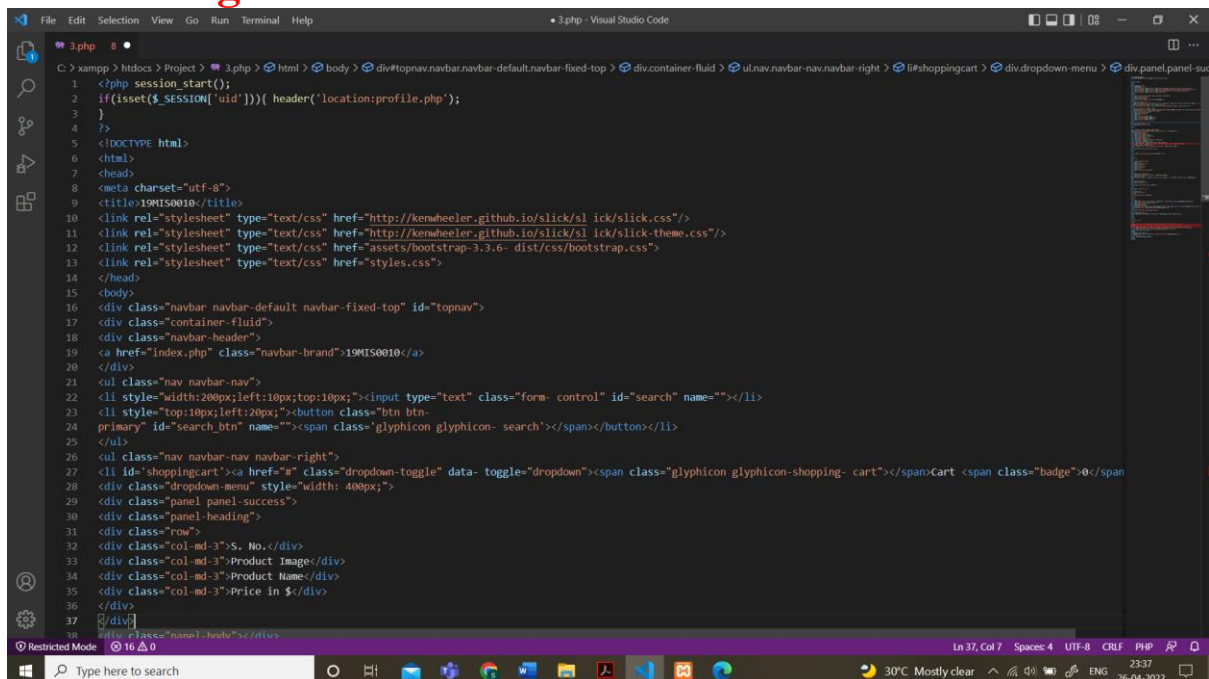
Output:

Proof Image:

4. Consider the database schema for IPL_Cricket_2022 table with attributes team_name, number_of_matches_played, number_of_matches_won, number_of_matches_lost and points.
i) Design a PHP application with three forms for insertion, updation and display of match statistics.
Perform insertion of initial team information in the table.
ii) Perform an updation of number of matches played, won, lost and points for a given team.
iii) Perform selection and display of match statistics for a specified team.

HTML Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19MIS0010_Sethumadhavan V</title>
</head>
<body>
    <h2>IPL CRICKET 2019</h2><br>
    <form action="Exercise_4.php" method="POST"><br>
    Team name:<input type="text" name="tn" id="tn"> <br><br>
    No. of matches played: <input type="number" name="pl" id="pl"> <br><br>
    No. of matches won: <input type="number" name="won" id="won">
<br><br>
    No. of matches lost: <input type="number" name="lost" id="lost"> <br><br>
    Points: <input type="number" name="pts" id="pts"> <br> <br><br>
    <input type="submit" value="Insert" name="insert">
    <input type="submit" value="Update" name="update">
    <input type="submit" value="Display" name="display">
    </form>

</body>
</html>
```

Php Code:

```php
<?php
$con = mysqli_connect("localhost", "root" , "");
 $db = "CREATE DATABASE EXERCISE4";
 $cdb = mysqli_query($con,$db);
$sql = mysqli_select_db($con,"EXERCISE4");
```

```php
 $tb = "CREATE TABLE IPL( team_name  varchar(20),
number_of_matches_played varchar(30), number_of_matches_won
varchar(30), number_of_matches_lost varchar(30), points varchar(30))";
 $run1 = mysqli_query($con,$tb);
$tn = $_POST["tn"];
$pl = $_POST["pl"];
$won = $_POST["won"];
$lost = $_POST["lost"];
$pts = $_POST["pts"];

// insertion
if(isset($_POST['insert'])){
$ins = "INSERT INTO IPL VALUES('$tn', '$pl','$won','$lost','$pts')";
$run2 = mysqli_query($con,$ins);
echo "Data inserted";
}

//updation
if(isset($_POST['update'])){
   $update = "UPDATE IPL SET number_of_matches_played = '$pl',
number_of_matches_won= '$won',
number_of_matches_lost='$lost',points='$pts' WHERE team_name= '$tn'";
   $display = mysqli_query($con,$update);
   echo "Data's Updated";
   }

//display
if(isset($_POST['display'])){
$query2 = "SELECT * FROM IPL";
$display = mysqli_query($con,$query2);
?>
   <html>
   <head>
   <style>
      table, th, td {
      border:1px solid black;
   }
   </style>
   </head>
   Displaying DATA from Database:
   <table>
```

```php
    <tr> <th>Team_name</th> <th>number_of_matches_played</th> <th>
number_of_matches_won </th> <th>number_of_matches_lost</th>
<th>points</th> </tr>
    <br>
    <?php
    while($row = mysqli_fetch_assoc($display)){
      ?>
    <tr>
      <td>
        <?php echo $row["team_name"]; ?>
      </td>
      <td>
        <?php echo $row["number_of_matches_played"]; ?>
      </td>
      <td>
        <?php echo $row["number_of_matches_won"]; ?>
      </td>
      <td>
        <?php echo $row["number_of_matches_lost"]; ?>
      </td>
      <td>
        <?php echo $row["points"];}} ?>
      </td>
    </tr>


  </table>

  <?php

  mysqli_close($con);


?>
```
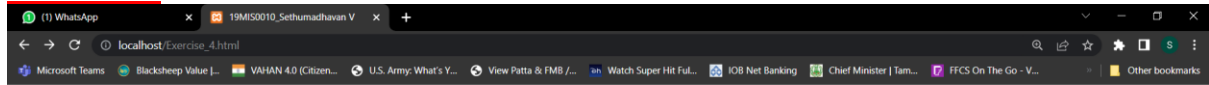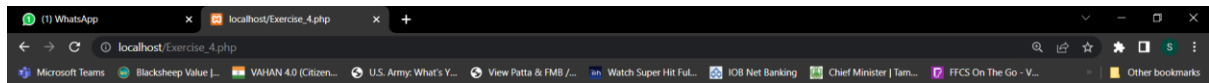
Output:
Insert:

IPL CRICKET 2019

Team name: CSK

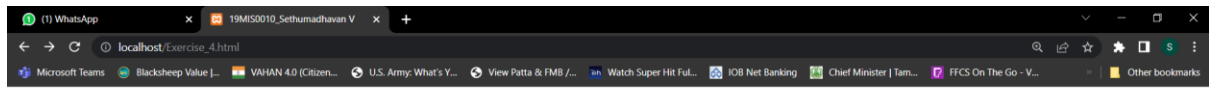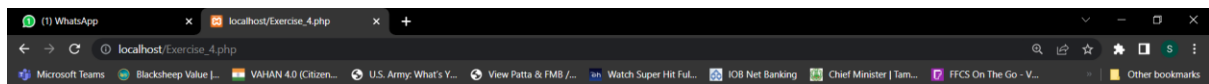No. of matches played: 11

No. of matches won: 10

No. of matches lost: 1
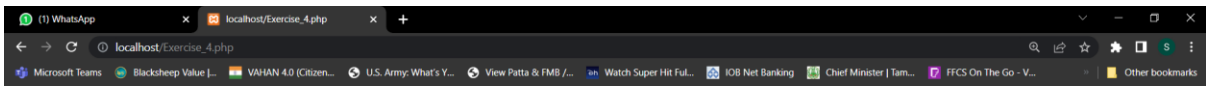
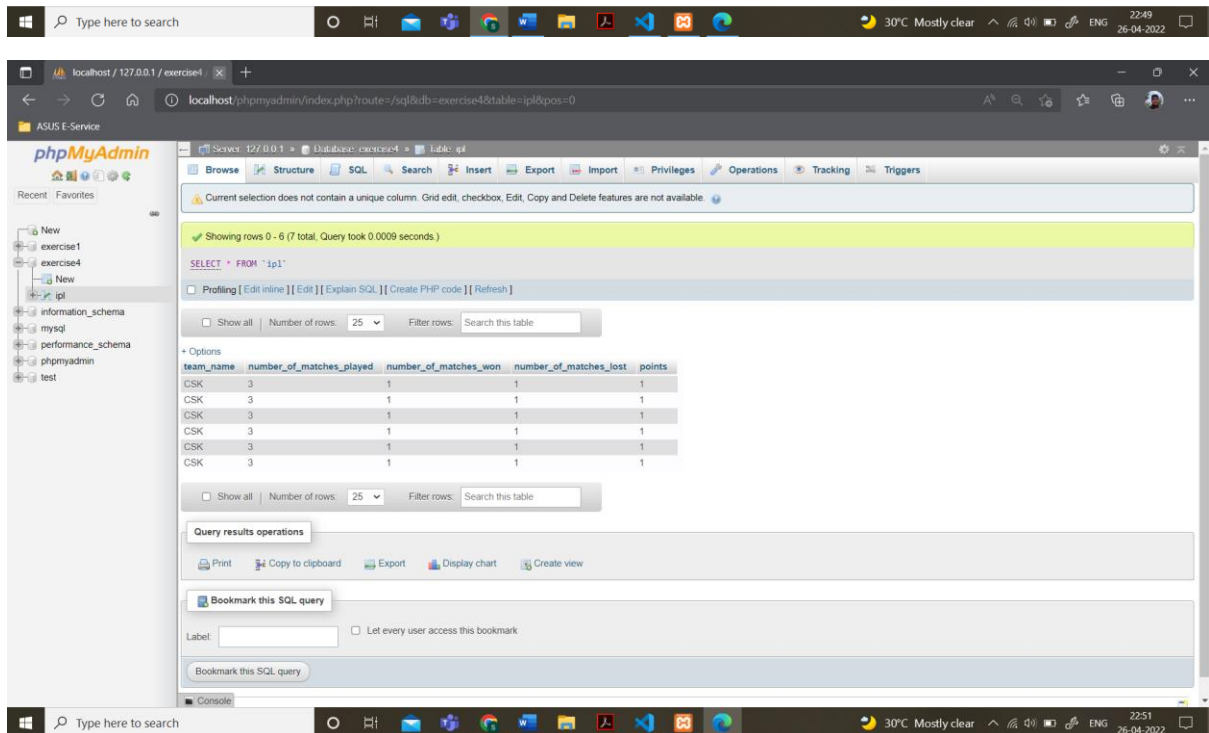Points: 60

Insert Update Display

Data inserted

Update:

Database:
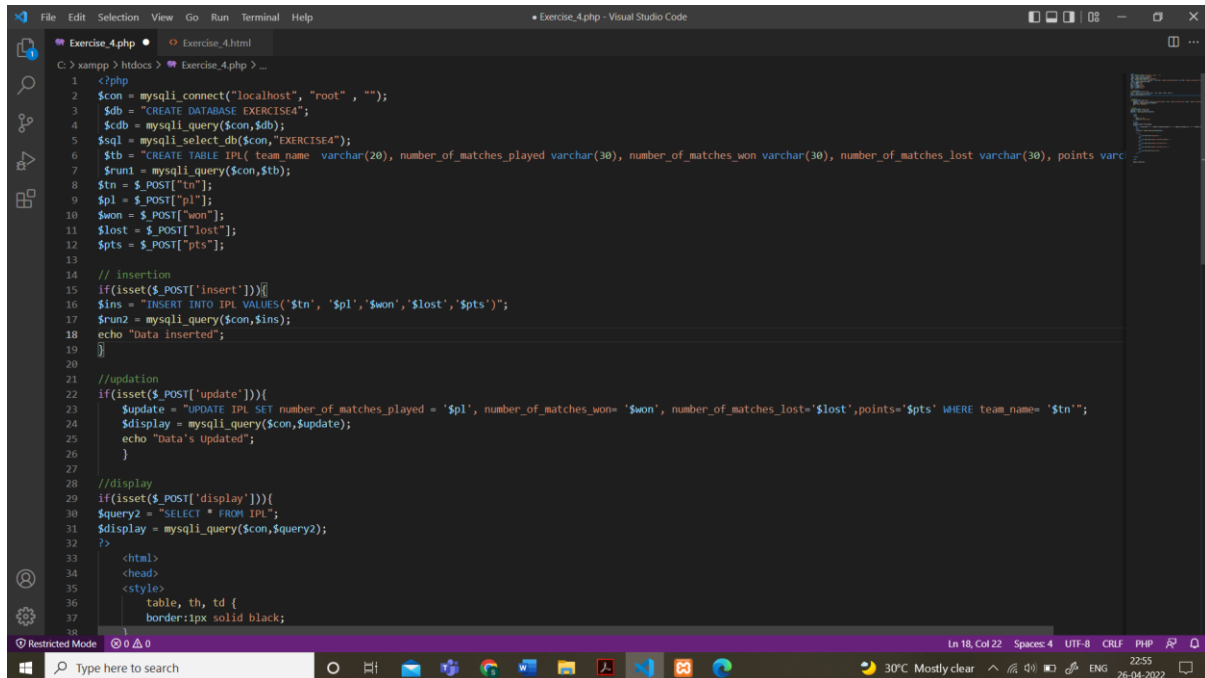

Displaying DATA from Database:

| Team_name	number_of_matches_played	number_of_matches_won	number_of_matches_lost	points
CSK	3	1	1	1
CSK	3	1	1	1
CSK	3	1	1	1
CSK	3	1	1	1
CSK	3	1	1	1
CSK	3	1	1	1

PROOF IMAGE:


```php
<?php
$con = mysqli_connect("localhost", "root" , "");
$db = "CREATE DATABASE EXERCISE4";
$cdb = mysqli_query($con,$db);
$sql = mysqli_select_db($con,"EXERCISE4");
$tb = "CREATE TABLE IPL( team_name  varchar(20), number_of_matches_played varchar(30), number_of_matches_won varchar(30), number_of_matches_lost varchar(30), points varc
$run1 = mysqli_query($con,$tb);
$tn = $_POST["tn"];
$pl = $_POST["pl"];
$won = $_POST["won"];
$lost = $_POST["lost"];
$pts = $_POST["pts"];

// insertion
if(isset($_POST['insert'])){
$ins = "INSERT INTO IPL VALUES('$tn', '$pl','$won','$lost','$pts')";
$run2 = mysqli_query($con,$ins);
echo "Data inserted";
}

//updation
if(isset($_POST['update'])){
    $update = "UPDATE IPL SET number_of_matches_played = '$pl', number_of_matches_won= '$won', number_of_matches_lost='$lost',points='$pts' WHERE team_name= '$tn'";
    $display = mysqli_query($con,$update);
    echo "Data's Updated";
    }

//display
if(isset($_POST['display'])){
$query2 = "SELECT * FROM IPL";
$display = mysqli_query($con,$query2);
?>
    <html>
    <head>
    <style>
        table, th, td {
        border:1px solid black;
```

5. Design a PHP application to feed consumer details and power consumption units bi-monthly and calculate charges, and maintained in Database. Write PHP script to calculate Consumptions charges against units consumed bi-monthly. Display the Consumer Statistics of power consumption (line chart) and consumption charges (bar chart) for Bi-monthly (example: as given below).

INPUT:

HTML Code:

<html>

<head>
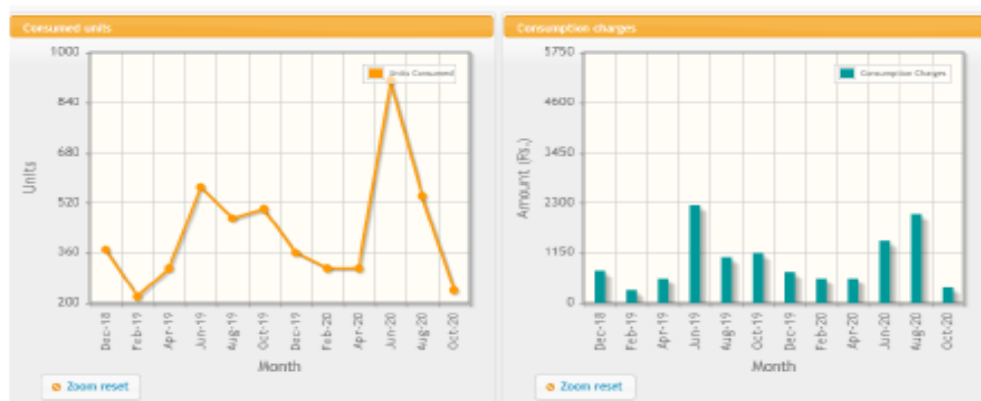
```html
<title>19MIS0010</title>
</head>
<body >
<table>
<form action="5.php" method="post">
<tr><br>
<td>customer:<input type="text" name="customer"><br></td><br>
<td>consumption:<input type="text" name="consumption"><br></td>
</tr>
<tr>
19MIS0010
<td><input type="submit" value="submit" name="submit"></td><br><br>
<td><input type="submit" value="bargraph" name="submit1"></td>
</tr>
</form>
</table>
</body>
</html>
```

Php Code:

```php
<?php
print "<img src=image.png?".date("U").">";
$servername = "localhost";
$username = "root";
$password = "";
$dbname= "bargraph1";
// Create connection
```

```php
$conn=mysqli_connect($servername,$username,$password,$dbname); // Check
connectio n

if (!$conn) {

die("Connection failed: ". mysqli_connect_error());

}

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

{

$query="INSERT INTO details3(customer,consumption) VALUES
('".$_POST["customer"]. "','".$_POST["consumption"]."')";

if (mysqli_query($conn, $query)) { echo " successfully"; }


else{

echo "failure";

}}


if (isset($_POST["submit1"])){

$query1="select * from details3";

$fullresult1=mysqli_query($conn,$query1);

$storearray[]=array(); while($row=mysqli_fetch_array($fullresult1)){

$storearray[]=$row['consumption'];

}
// print_r($storearray);

$a=array();



foreach($storearray as $v){ array_push($a,$v);

}
print_r($a);
```

```php
$row1=mysqli_num_rows($fullresult1);

$row=array(0,80,23,11,190,245,50,80,111,240,55);

// $graphValues1=array(0,41,25,14,165,255,65,80,123,267,55);

$im = imagecreate(400, 400) or die("Cannot Initialize new GD image stream");

$background_color = imagecolorallocate($im, 200, 250, 200); // light-green

$grey=imagecolorallocate($im, 192, 192, 192);

$red = imagecolorallocate($im, 255, 0, 0); // red

$blue = imagecolorallocate($im, 0, 0, 255); // blue

// Create border around image imageline($im, 0, 0, 0, 400, $grey);

imageline($im, 0, 0, 400, 0, $grey);

imageline($im, 399, 0, 399, 399, $grey);

imageline($im, 0, 399, 399, 399, $grey);

// Create grid

for ($i=1; $i<11; $i++){

imageline($im, $i*40, 0, $i*40, 400, $grey);

imageline($im, 0, $i*40, 400, $i*40, $grey);

}

for ($i=0; $i<$row1; $i++){

imagefilledrectangle($im, $i*25, (250-$row[$i]), ($i+1)*25, 250, $blue);
imagefilledrectangle($im, ($i*25)+1, (250-$row[$i])+1, (($i+1)*25)-

5, 248, $grey);

}


imagepng($im,"image.png"); imagedestroy($im);

}

if(isset($_POST["submit2"])){


if (isset($_POST['unit-submit'])) {
```
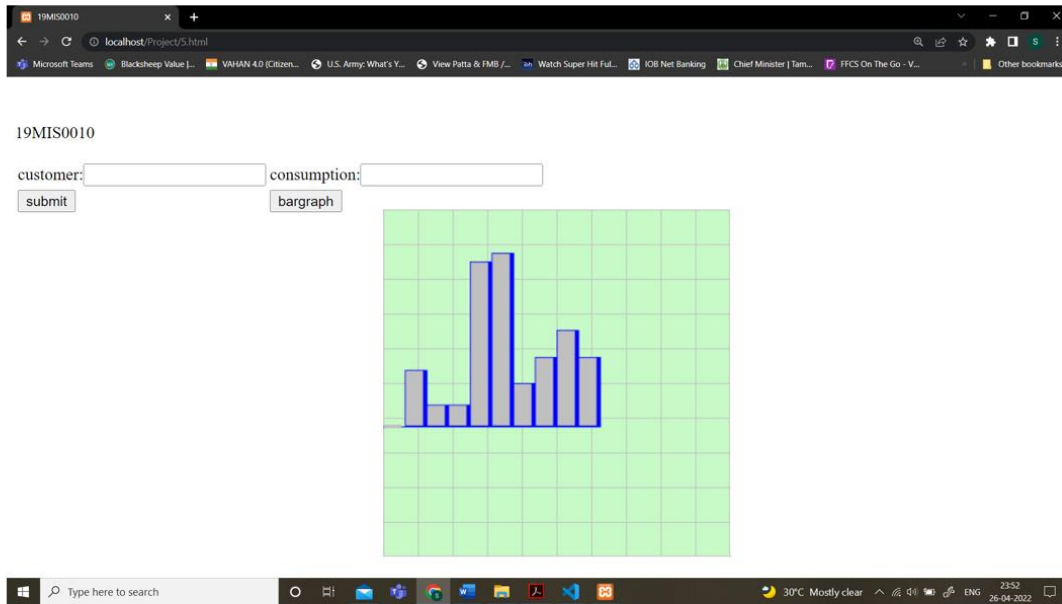
```php
$units = $_POST['units']; if (!empty($units)) {

$result = calculate_bill($units);

$result_str = 'Total amount of ' . $units . ' - ' . $result;

}

}

if($units <= 50) {

$bill = $units * $unit_cost_first;

}

else if($units > 50 && $units <= 100) {

$temp = 50 * $unit_cost_first;

$remaining_units = $units - 50;

$bill = $temp + ($remaining_units * $unit_cost_second);

}

else if($units > 100 && $units <= 200) {

    $temp = (50 * 3.5) + (100 * $unit_cost_second);

    $remaining_units = $units - 150;

    $bill = $temp + ($remaining_units * $unit_cost_third);

    }

    else {

    $temp = (50 * 3.5) + (100 * $unit_cost_second) + (100 * $unit_cost_third)

    ;

    $remaining_units = $units - 250;

    $bill = $temp + ($remaining_units * $unit_cost_fourth);

    }

    return number_format((float)$bill, 2, '.', '');

    }

    print "<img src=image.png?".date("U").">";
```

```php
// function create_image(){
// $graphValues=array(0,80,23,11,190,245,50,80,111,240,55);
$graphValues1=array(0,41,25,14,165,255,65,80,123,267,55);
$im = imagecreate(400, 400) or die("Cannot Initialize new GD image stream");
$background_color = imagecolorallocate($im, 255, 255, 0); // yellow
$grey=imagecolorallocate($im, 192, 192, 192);
$red = imagecolorallocate($im, 255, 0, 0); // red
$blue = imagecolorallocate($im, 0, 0, 255); // blue
imageline ($im, 5, 5, 195, 5, $red);
imageline ($im, 5, 5, 195, 195, $blue);
// Create border around image imageline($im, 0, 0, 0, 400, $grey);
imageline($im, 0, 0, 400, 0, $grey);
imageline($im, 399, 0, 399, 399, $grey);
imageline($im, 0, 399, 399, 399, $grey);
// Create grid
for ($i=1; $i<11; $i++){
imageline($im, $i*40, 0, $i*40, 400, $grey);
imageline($im, 0, $i*40, 400, $i*40, $grey);
}
// Add in graph values
// for ($i=0; $i<10; $i++){
// imageline($im, $i*20, (400-$graphValues[$i]), ($i+1)*20, (400-$graphValues[$i+1]),$blue);
// }
for ($i=0; $i<10; $i++){
imageline($im, $i*20, (400-$graphValues1[$i]), ($i+1)*20, (400-$graphValues1[$i+1]),$red);
```

```
    }
    imagepng($im,"image.png"); imagedestroy($im);


?>


<html>
<head>
<title>19MIS0021-Ex5</title>
</head>
<body >
<table>
<form action="bargraph1.php" method="post">
<tr>
<td>customer:<input type="text" name="customer"><br></td>
<td>consumption:<input type="text" name="consumption"><br></td>
</tr>
<tr>
<td><input type="submit" value="submit" name="submit"></td>
<td><input type="submit" value="bargraph" name="submit1"></td>
</tr>

</form>
</table>
</body>
</html>
```
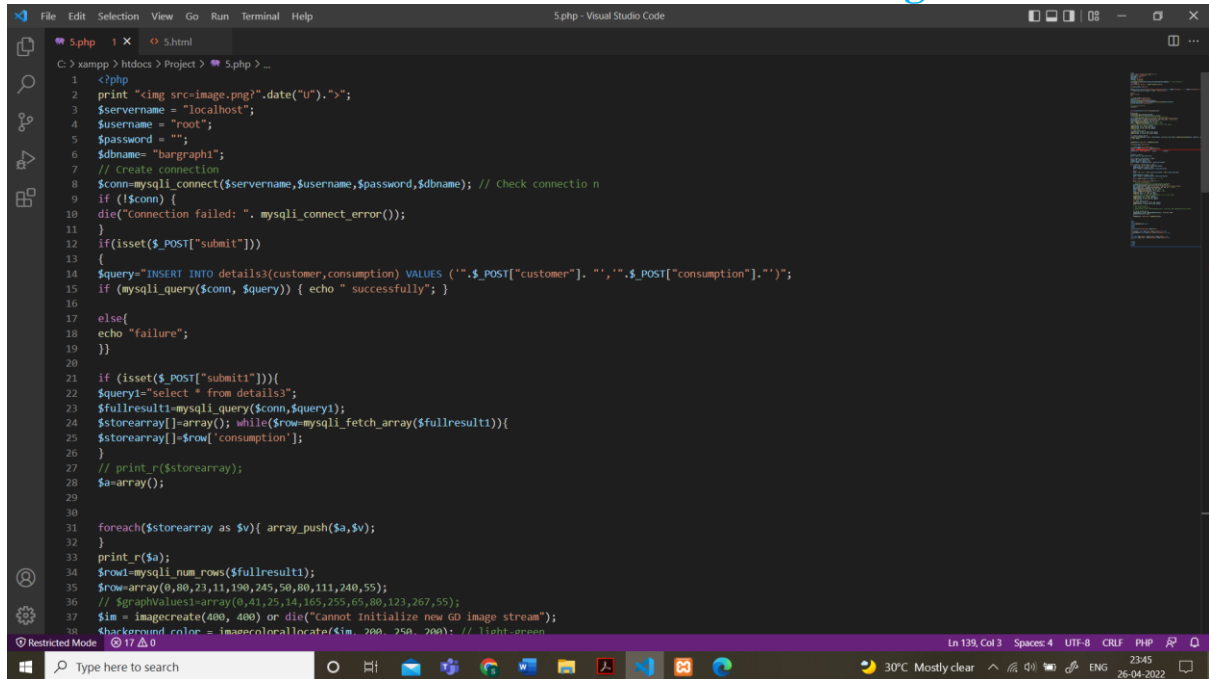
OUTPUT:

Proof Image:

```php
<?php
print "<img src=image.png?".date("U").">";
$servername = "localhost";
$username = "root";
$password = "";
$dbname= "bargraph1";
// Create connection
$conn=mysqli_connect($servername,$username,$password,$dbname); // Check connectio n
if (!$conn) {
die("Connection failed: ". mysqli_connect_error());
}
if(isset($_POST["submit"]))
{
$query="INSERT INTO details3(customer,consumption) VALUES ('".$_POST["customer"]. "','".$_POST["consumption"]."')";
if (mysqli_query($conn, $query)) { echo " successfully"; }

else{
echo "failure";
}}

if (isset($_POST["submit1"])){
$query1="select * from details3";
$fullresult1=mysqli_query($conn,$query1);
$storearray[]=array(); while($row=mysqli_fetch_array($fullresult1)){
$storearray[]=$row['consumption'];
}
// print_r($storearray);
$a=array();


foreach($storearray as $v){ array_push($a,$v);
}
print_r($a);
$row1=mysqli_num_rows($fullresult1);
$row=array(0,80,23,11,190,245,50,80,111,240,55);
// $graphValues1=array(0,41,25,14,165,255,65,80,123,267,55);
$im = imagecreate(400, 400) or die("Cannot Initialize new GD image stream");
$background_color = imagecolorallocate($im, 200, 250, 200); // light-green
```